630.7
I ℓ 6b
no.767
cop.8

NOTICE: **Return or renew all Library Materials! The *Minimum* Fee for each Lost Book is $50.00.**

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.
To renew call Telephone Center, 333-8400

UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

L161—O-1096

UNIVERSITY OF
ILLINOIS LIBRARY
AT URBANA-CHAMPAIGN
AGRICULTURE

JUL 29 1997
AGRICULTURE LIBRARY

Wheat Movements in the United States

Interregional Flow Patterns and Transportation Requirements in 1977

630.7
Il66
no. 767
cop. 8

Mack N. Leath, Lowell D. Hill, and Stephen W. Fuller

North Central Regional Research Publication No. 274
Southern Cooperative Series Bulletin 252
Illinois Bulletin 767

Agricultural Experiment Station
College of Agriculture
University of Illinois at Urbana-Champaign

ABSTRACT

The marketing of wheat in the U.S. involves complex interregional grain movements. Moving the crop from the areas of concentrated production to points where it is used or exported requires a large transportation capacity. To provide a basis for policy and investment decisions, detailed information on wheat movements during 1977 was collected from 3,500 grain merchandising, processing, and exporting firms in 41 states. Survey data on receipts and shipments for each state or substate area were expanded to represent total volumes for those areas and were verified by comparison with information from secondary sources. The data, which represent the most comprehensive and accurate information available on wheat movements, are presented and summarized in this bulletin.

Keywords: Grain flows, grain shipping, grain transportation, interregional analysis, wheat, wheat marketing

CIRCULATING COPY
AGRICULTURE LIBRARY

Wheat Movements in the United States

Interregional Flow Patterns and Transportation Requirements in 1977

Mack N. Leath, Agricultural Economist, Economics and Statistics Service, U. S. Department of Agriculture

Lowell D. Hill, L. J. Norton Professor of Marketing, Department of Agricultural Economics, University of Illinois at Urbana-Champaign

Stephen W. Fuller, Associate Professor, Department of Agricultural Economics, Texas A&M University

North Central Regional Research Publication No. 274
Southern Cooperative Series Bulletin 252
Illinois Bulletin 767

Agricultural Experiment Stations of Alabama, Arkansas, California, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, North Dakota, Ohio, Oklahoma, Oregon, South Dakota, Tennessee, Texas, Wisconsin, and the United States Department of Agriculture cooperating.

The participating agricultural experiment stations and government agencies provide equal opportunities in programs and employment

January 1981

AGRICULTURE LIBRARY
AUG 2 9 1990
UNIVERSITY OF ILLINOIS

This publication is sponsored by the Agricultural Experiment Stations of the following states, by the Science and Education Administration — Cooperative Research (SEA-CR), U.S. Department of Agriculture (USDA), and by the Economics and Statistics Service (ESS), USDA.

Participating state	Experiment station director
Alabama	G. A. Buchanan
Arkansas	L. O. Warren
California	J. B. Kendrick, Jr.
Georgia	W. P. Flatt
Idaho	R. J. Miller
Illinois	R. G. Cragle
Indiana	B. R. Baumgardt
Iowa	L. R. Kolmer
Kansas	F. W. Smith
Kentucky	C. E. Barnhart
Louisiana	D. Chambers
Michigan	S. H. Wittwer
Minnesota	R. J. Sauer
Mississippi	R. R. Foil
Missouri	A. M. Lennon
Montana	J. R. Welsh
Nebraska	R. G. Arnold
North Dakota	H. R. Lund
Ohio	R. M. Kottman
Oklahoma	C. B. Browning
Oregon	J. R. Davis
South Dakota	R. A. Moore
Tennessee	D. M. Gossett
Texas	N. P. Clarke
Wisconsin	L. M. Walsh

This publication reports the results of research conducted by three regional technical committees: Southern Regional Committee S-115 on Alternative Structures for Increasing Efficiency in Intra- and Inter-regional Grain Marketing Systems; North Central Regional Committee NC-137 on Evaluation of Alternative Rural Freight Transportation, Storage, and Distribution Systems, and North Central Regional Committee NC-139 on Economic Analysis of the U.S. Grain Exporting System. The following state Agricultural Experiment Station representatives, Tennessee Valley Authority (TVA) staff members, and U.S. Department of Agriculture personnel comprised the technical committees.

SOUTHERN REGIONAL COMMITTEE S-115

Alabama — J. L. Stallings*
Arkansas — W. R. Morrison, E. J. Wailes*
Georgia — R. F. Anderson,* M. R. Holmes
Illinois — L. D. Hill*
Indiana — B. F. Jones
Kentucky — M. R. Reed, D. M. Shuffett*
Louisiana — N. C. Clark, H. D. Traylor*
Mississippi — W. L. Bateman,* T. D. Phillips
Ohio — E. D. Baldwin, J. W. Sharp*
Tennessee — C. B. Sappington*
TVA — W. J. Free,* L. E. Stone
ESS, USDA — T. Q. Hutchinson,* M. N. Leath*
SEA — CR, USDA — L. C. Halvorson
Administrative Adviser — T. J. Whatley (Tennessee)

NORTH CENTRAL REGIONAL COMMITTEE NC-137

Illinois — L. D. Hill*
Indiana — J. K. Binkley*
Iowa — C. P. Baumel*
Kansas — L. O. Sorenson*
Michigan — S. R. Thompson*
Minnesota — R. P. Dahl*
Missouri — R. K. Rudel*
Montana — W. W. Koo*
Nebraska — D. G. Anderson*
North Dakota — D. W. Cobia*
Ohio — D. W. Larson*
Oklahoma — M. A. Johnson, R. L. Oehrtman*
South Dakota — C. E. Lamberton*
Texas — S. W. Fuller*
Wisconsin — R. H. Vilstrup*
ESS, USDA — L. A. Hoffman,* L. D. Schnake, D. L. Watt
SEA — CR, USDA — L. C. Halvorson
Administrative Adviser — D. E. Anderson (North Dakota)

NORTH CENTRAL REGIONAL COMMITTEE NC-139

California — A. F. McCalla*
Idaho — J. R. Jones*
Illinois — L. D. Hill*
Indiana — B. F. Jones*
Iowa — G. W. Ladd*
Kansas — L. W. Schruben*
Minnesota — R. P. Dahl*
Missouri — R. K. Rudel*
Montana — G. L. Cramer*
Nebraska — D. A. Linsenmeyer*
North Dakota — D. E. Anderson, W. W. Wilson*
Ohio — J. W. Sharp*
Oklahoma — R. L. Oehrtman*
Oregon — M. V. Martin*
South Dakota — A. C. Sogn
Texas — M. L. Cook*
ESS, USDA — A. R. Bunker,* R. E. Friend,* C. B. Hanrahan,* B. H. Wright*
Federal Grain Inspection Service, USDA — F. F. Niernberger
SEA — CR, USDA — L. C. Halvorson
Administrative Adviser — H. J. Schweitzer (Illinois)

The following state Agricultural Experiment Station personnel also cooperated in the research:

Arizona — T. F. Archer
Colorado — W. T. Spencer
Connecticut — S. K. Seaver
Florida — J. K. Dow
Maine — D. D. Harlan
Maryland — J. L. Crothers
New York — M. E. Brunk
North Carolina — T. E. Nichols
Pennsylvania — S. K. Abshire, H. L. Moore
South Carolina — S. E. Miller
Utah — R. H. Anderson
Vermont — N. T. Power
Virginia — D. E. Kenyon
Washington — K. L. Casavant
Wyoming — J. S. St. Clair

* Voting member and project leader for the participating organization.

Preface

The research reported in this bulletin is the first effort ever made to survey grain shippers and receivers nationwide; it is the most comprehensive study of grain movements ever conducted. Members of the technical committees, including representatives of Agricultural Experiment Stations in 25 states, assisted in conducting an industry survey to collect flow data for wheat, corn, soybeans, sorghum, oats, barley, and rye. In addition, surveys were conducted in 16 other states through contracts with 15 universities located in those states. The industry surveys were coordinated by Lowell D. Hill, Department of Agricultural Economics, University of Illinois at Urbana-Champaign. The data were tabulated and summarized under the supervision of Mack N. Leath, Economics and Statistics Service, U.S. Department of Agriculture. The success of this research project is due to the cooperation of thousands of grain marketing firms and the efforts of researchers in the many participating states.

The research was funded in part through contract DACW 72-78-C-0005 with the Institute of Water Resources, U.S. Army Corps of Engineers. Supplemental support was provided by the Federal Railroad Administration of the U.S. Department of Transportation, the Maritime Administration of the U.S. Department of Commerce, and the St. Lawrence Seaway Development Corporation. Administration of grant funds was coordinated by Lowell D. Hill, University of Illinois at Urbana-Champaign.

Contents

Introduction 1

Purpose of Study 2

Methodology 2

Verification of Data 6

Overview of Movements 13

Receipts and Shipments by Area 22

Appendix 131

Tables

1. Wheat Supply and Distribution in the United States for Marketing Years from 1970–71 to 1979–80 1
2. Production, Farm Use, and Sales of Wheat by State for 1977 3
3. Export Regions, Port Areas, and the Ports Included in Each Area 5
4. Comparison of 1977 Wheat Receipts, Shipments, and Inspections for Export at Various Port Areas 6
5. Comparison of 1977 Waterway Movements of Wheat in the U.S. as Reported by Survey Respondents and the U.S. Army Corps of Engineers 7
6. Comparison of 1977 Rail Movements of Wheat as Reported by Survey Respondents and as Estimated From the 1 Percent Waybill Sample 9
7. 1977 Intrastate Shipments of Wheat for Each State and Mode of Transportation 17
8. 1977 Interstate Shipments of Wheat for Each State and Mode of Transportation 18
9. 1977 Interstate Receipts of Wheat for Each State and Mode of Transportation 19
10. 1977 Movements of Wheat to Points of Export for Each Originating State by Three Modes of Transportation 20
11. 1977 Receipts of Wheat at Port Areas by Each Mode of Transportation 23
12. 1977 Exports of U.S. Wheat from Canada and the United States by Export Region and Destination 24

13-197. 1977 Wheat Receipts and Shipments by State and Substate Areas 26

198-223. 1977 Wheat Receipts and Shipments by Port Areas 118

A1. 1977 Wheat Production by Type and State 132
A2. Wheat Production by Class for the 1976–78 Crop Years 133
A3. Number of Operating Mills and Daily Capacity by Type of Wheat, 1978 133
A4. 1977 Inspections of Wheat for Export by Class and Export Region 134

Figures

1. Acreages of Wheat Harvested in 1974 2
2. Location of Grain Flow Study Regions 4
3. Locations in Which Various Kinds of Wheat Are Grown in the United States 14
4. Patterns of Wheat Flows to Domestic Destinations in 1977 16
5. Patterns of Wheat Flows to Port Areas in 1977 21
6. Percentage of 1977 Wheat Movements to Export Regions from Each Originating State 22

Wheat Movements in the United States

Interregional Flow Patterns and Transportation Requirements in 1977

INTRODUCTION

Information about the origin and destination of grain produced in the United States and about the modes of transportation used to convey it is important for many policy and investment decisions. Although data on the quantities of grains shipped abroad from each port are available and statistics on the amount of grain shipped on the inland waterways are published annually, little information has been available that could be used to match origins with destinations and to identify the mode of transportation used.

Through personal interviews with over 3,500 grain merchandisers, processors, and exporters throughout the United States, data on origins, destinations, and transport modes have now been assembled for corn, wheat, soybeans, sorghum, oats, barley, and rye. This publication summarizes the data for wheat. Other publications in this series provide similar information for the other grains.

Wheat is the most important food grain produced in the United States. Annual production has exceeded 2 billion bushels in four of the last five years (Table 1). Wheat is used principally as a food for humans, as seed, and as a feed for livestock. During the 1970s human consumption of wheat in the United States increased from 517 million bushels to 595 million bushels, or 15 percent. The amount used for seed is almost totally a function of the acreage planted; it ranged from 62 to 101 million bushels annually in the U.S. during the 1970s. The amount used for livestock feed varies greatly from year to year in response to changes in the price and supply of wheat in relation to the major feed grains. The annual usage for feed in the U.S. averaged 136 million bushels during the 1970s. The most dramatic growth in the demand for wheat has been in the export markets. Export shipments of wheat increased from 610 million bushels in 1971–72 to an estimated 1,375 million bushels in 1979–80.

The volume of wheat that must be transported is large because the various types of wheat are grown in highly concentrated production areas and the grain must be dispersed for use throughout the U.S. Also, the very large export demand necessitates shipping wheat to all of the nation's export regions.

Table 1. Wheat Supply and Distribution in the United States for Marketing Years from 1970–71 to 1979–80

Marketing year[a]	Supply				Disappearance				
	Beginning stocks	Production	Imports	Total	Food	Seed	Feed[b]	Exports	Total
	millions of bushels								
1970–71	983	1,352	1	2,336	517	62	193	741	1,513
1971–72	823	1,619	1	2,443	524	63	262	610	1,459
1972–73	984	1,546	1	2,531	532	67	200	1,135	1,934
1973–74	597	1,711	3	2,311	544	84	125	1,217	1,970
1974–75	340	1,782	3	2,125	545	92	35	1,018	1,690
1975–76	435	2,127	2	2,564	589	99	38	1,173	1,899
1976–77	665	2,149	3	2,817	588	92	74	950	1,704
1977–78	1,113	2,046	2	3,161	587	80	192	1,124	1,983
1978–79	1,178	1,775	2	2,955	592	87	158	1,194	2,031
1979–80[c]	924	2,134	2	3,060	595	101	87	1,375	2,158

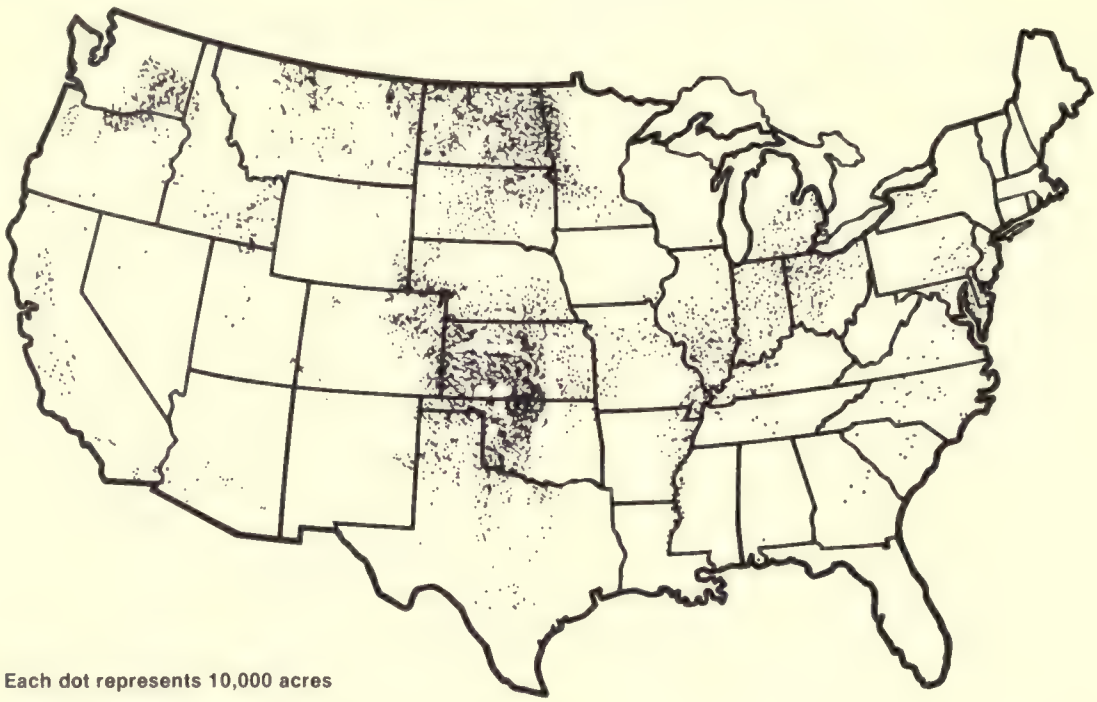
Source: *Wheat Situation*, Economics and Statistics Service, U.S. Department of Agriculture (various issues).

[a] Beginning June 1.

[b] Residual — approximates feed usage.

[c] Preliminary data.

Figure 1. Acreages of wheat harvested in 1974.



The production of wheat is concentrated in the Great Plains, where rainfall is usually inadequate for corn and soybean production (Figure 1). The area of concentrated production extends from the Canadian border to the Texas Panhandle. The leading states in wheat production are Kansas, North Dakota, Oklahoma, Minnesota, and Montana (Table 2). In 1977 these states produced slightly more than 1 billion bushels of wheat, half of the total U.S. production. Although some of the wheat produced in the nation was used for feed and seed on the farms where it was produced, more than 94 percent of the volume produced was sold.

PURPOSE OF STUDY

Analysis of grain flow patterns can reveal the geographical nature of grain markets and the types of transportation services required by the grain industry. This information is useful to grain firms in identifying additional marketing opportunities and in making decisions about where to locate new handling, storage, and processing facilities.

Of equal importance is the value of this information to those who set federal and state transportation policies. The formulation of rational grain transportation policies depends upon knowledge of existing grain flows and associated transportation modes. In many situations, firms or public agencies make decisions affecting the production, storage, and transportation of grain without adequate information about grain distribution patterns and the demands that those decisions will place on the various transportation modes. The objectives of this study were:

1. To determine the volume of wheat moving between various origins and destinations
2. To determine the extent to which the various transportation modes are employed in the movement of wheat in the U.S.

METHODOLOGY

For the purposes of this study, the United States was divided into 132 numbered regions and 31 ports, as shown in Figure 2. Data for the 31 ports were aggregated into 13 port areas located in four major export regions. The specific ports included in each port area are listed with their identifying numbers in Table 3.

Wheat flow data were collected for the 1977 cal-

endar year primarily through personal interviews with representatives of grain handling, storage, and processing firms in 41 states. The firms from which data were obtained included country elevators, inland terminal elevators, river terminal elevators, feed manufacturers, export elevators, commercial feedlots, and processors. A representative from each state's Agricultural Experiment Station was responsible for drawing the sample and conducting the interviews.

The sampling of inland grain elevators in the particular state was carried out by listing the elevators in descending order of storage capacity. Starting with the largest, elevators were added to the sample until the total of their storage capacities was equal to at least 25 percent of the inland elevator storage capacity in that state. Not less than 10 percent of the remaining elevators were then selected at random. For river elevators the procedure was simpler: a minimum of 50 percent of the elevators were selected by random sampling.

Feed manufacturing firms in each state were arrayed on the basis of their production capacity. Starting with the largest, feed firms on the list were added to the sample until the total of their production capacities equalled or exceeded 10 percent of the total feed manufacturing capacity in the state. Ten percent or more of the remaining firms were then selected at random and included in the sample. All exporters and processors were included in the interviews.* Data based on random samples were expanded in proportion to the sampling rate to convert the data into estimates for the entire region or state.

The same types of information were gathered from all of the grain handlers and processors interviewed. Each firm was asked to identify the volume of wheat that it received from each region and the volume received by each mode of transportation. The firms were also asked to identify each region or port area for which their shipments were destined and the quantity shipped by each mode.

Agricultural Experiment Station representatives verified the accuracy of the data collected, expanded the sample data to state totals, and delivered the summary data for each grain and for every substate region to the U.S. Department of Agriculture for processing. As receivers' and shippers' data were tabulated, the Experiment Station representative in each state checked any discrepancies to identify potential data errors and to arrive at a single number for each origin-destination pair. Insofar as possible, the state representatives checked the data for

* Only one major processor did not provide data for the study. Data on receipts by that firm were estimated from information furnished by shippers.

Table 2. Production, Farm Use, and Sales of Wheat by State for 1977

State	Production[a]	Amount used on farms where produced[b]	Amount sold[c]
	thousands of bushels		
Alabama	3,080	653	2,427
Arizona	10,080	857	9,223
Arkansas	25,740	721	25,019
California	42,548	3,059	39,489
Colorado	57,374	2,632	54,742
Delaware	870	96	774
Florida	377	40	337
Georgia	3,300	475	2,825
Idaho	57,900	1,978	55,922
Illinois	67,510	4,186	63,324
Indiana	55,800	3,404	52,396
Iowa	4,033	492	3,541
Kansas	344,850	16,208	328,642
Kentucky	10,138	2,230	7,908
Louisiana	1,292	62	1,230
Maryland	3,564	475	3,089
Michigan	33,000	4,323	28,677
Minnesota	131,894	3,957	127,937
Mississippi	3,570	257	3,313
Missouri	72,150	7,344	64,806
Montana	130,920	6,153	124,767
Nebraska	103,250	5,679	97,571
Nevada	1,440	435	1,005
New Jersey	1,178	116	1,062
New Mexico	9,137	484	8,653
New York	6,825	662	6,163
North Carolina	6,000	1,140	4,860
North Dakota	229,907	9,426	220,481
Ohio	72,380	5,356	67,024
Oklahoma	175,500	12,811	162,689
Oregon	47,620	1,667	45,953
Pennsylvania	8,085	2,005	6,080
South Carolina	2,465	601	1,864
South Dakota	71,964	3,958	68,006
Tennessee	10,080	1,633	8,447
Texas	117,500	5,992	111,508
Utah	5,665	712	4,953
Virginia	6,231	2,021	4,210
Washington	101,305	2,026	99,279
West Virginia	310	139	171
Wisconsin	3,075	135	2,940
Wyoming	5,620	697	4,923
U.S. total	2,045,527	117,297	1,928,230

[a] Production data obtained from *Field Crops: Estimates by States, 1974–78; Acreage, Yield, Production*, Statistical bulletin no. 646, Crop Reporting Board, Economics and Statistics Service, U.S. Department of Agriculture (December, 1980), p. 26.

[b] Farm use data taken from *Field Crops: Production, Disposition, Value, 1977–1978*. Crop Reporting Board, Economics and Statistics Service, U.S. Department of Agriculture, CrPr 1 (79) (April 11, 1979), p. 9.

[c] Amount produced less amount used on farms where produced.

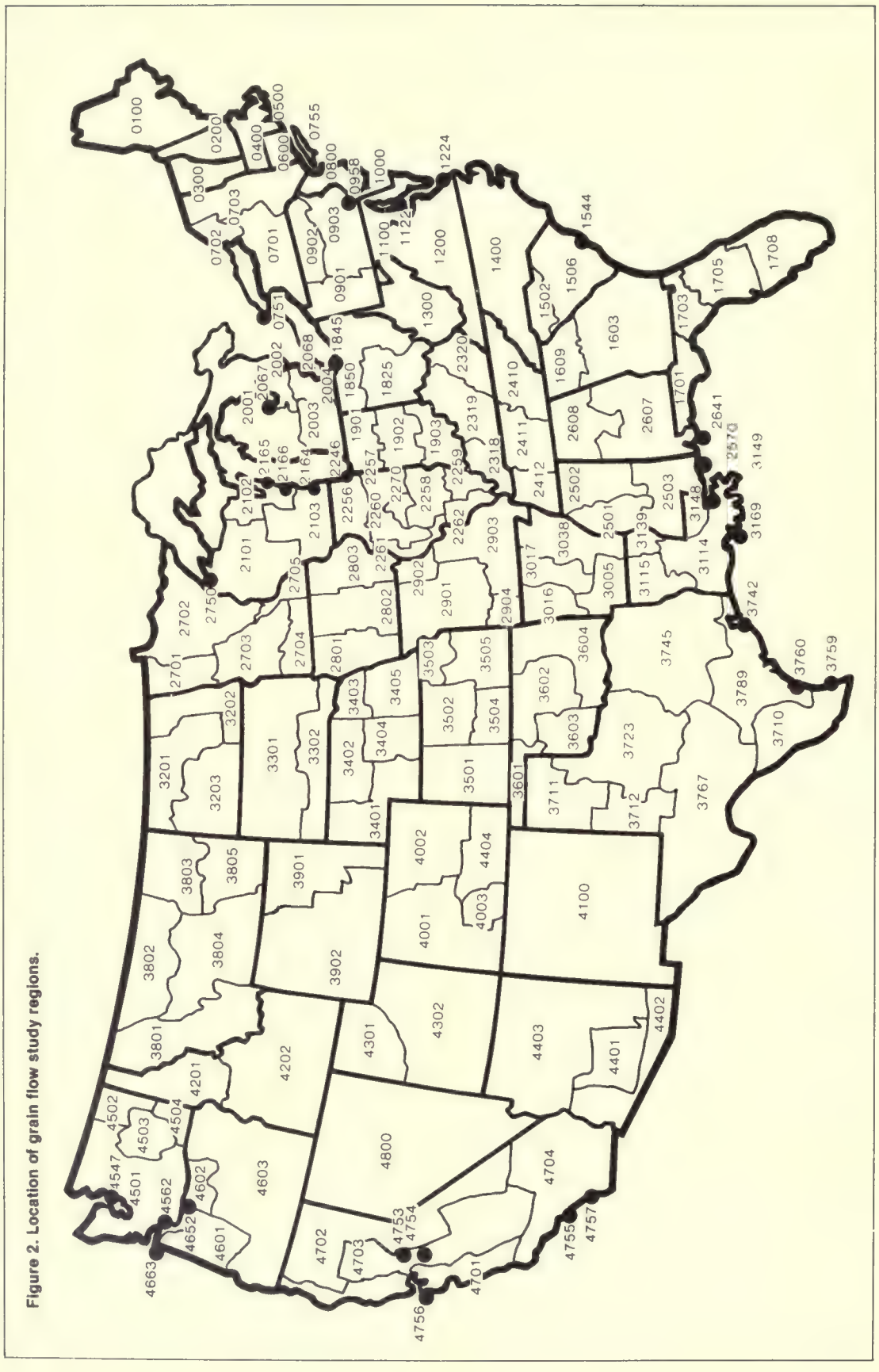


Figure 2. Location of grain flow study regions.

Table 3. Export Regions, Port Areas, and the Ports Included in Each Area

Export region and port area[a]		Ports included in the general area	
Area number	Export area	Port number	Port city
Great Lakes Region			
7101	Duluth-Superior	2750	Duluth, MN
			Superior, WI
7102	Chicago	2164	Milwaukee, WI
		2165	Manitowoc, WI
		2166	Racine, WI
		2246	Chicago, IL
7103	Toledo	1845	Toledo, OH
			Huron, OH
			Erie, PA
		0751	Buffalo, NY
7104	Saginaw	2067	Carrollton, MI
			Saginaw, MI
			Zilwaukee, MI
		2068	Detroit, MI
Atlantic Region			
7201	North Atlantic	0101	Portland, ME
		0755	Albany, NY
		0958	Philadelphia, PA
7202	South Atlantic	1122	Baltimore, MD
		1224	Norfolk, VA
		1544	North Charleston, SC
Gulf Region			
7301	East Gulf	2570	Pascagoula, MS
		2641	Mobile, AL
7302	Louisiana Gulf	3149	Mississippi River
		3169	Lake Charles, LA
7303	North Texas Gulf	3742	Beaumont, TX
			Port Arthur, TX
			Houston, TX
			Galveston, TX
7304	South Texas Gulf	3759	Brownsville, TX
		3760	Corpus Christi, TX
Pacific Region			
7401	Columbia River	4562	Kalama, WA
			Longview, WA
			Vancouver, WA
		4652	Portland, OR
		4663	Astoria, OR
7402	Puget Sound	4547	Seattle, WA
			Tacoma, WA
7403	California Ports	4753	Sacramento, CA
		4754	Stockton, CA
		4755	Long Beach, CA
		4756	San Francisco, CA
		4757	San Diego, CA

[a] These port areas will be used in this report to avoid disclosure of data from individual firms.

each shipment to ascertain that they were consistent and logical.

VERIFICATION OF DATA

The accuracy of the data on the volume of wheat shipped between the various origins and destinations by each mode of transportation was verified by several direct and indirect comparisons with data from other sources. One indirect check was made by totaling interstate shipments and subtracting from that value the total of interstate receipts for each state to determine how closely the results agreed with the surplus or deficit calculated for the state.* Exact correspondence was not expected since the quantities used for livestock feed and shipped to processors were estimated rather than determined from actual consumption data. Any major discrepancies, however, were investigated to verify that they did not indicate significant errors in the survey data.

A second check on total volume was made by comparing total receipts at each port with official data on inspections for export as published by the Market News Service of the U.S. Department of Agriculture (Table 4). Because there were few opportunities for either set of data to miss significant volumes, these numbers compared very closely. Discrepancies between receipts and exports at most of the port areas were explained by shipments to domestic destinations from export elevators, shipments to processing plants located in the port area, and changes in inventory between the beginning and end of the year.

Supplemental information about grain shipments on inland waterways was provided by the U.S. Army Corps of Engineers. Since these data were based on the actual bill of lading for each shipment, they were, in principle, a complete census of all barge shipments. As Table 5 shows, the survey data and the Corps of Engineers data on state-to-state shipments on inland waterways correspond closely for most states. Differences between the two sets of data can be explained by (1) a significant number of shipments for which the origins and destinations are noted as "unknown" in the Corps data, (2) changes in the destination of a barge after it left the loading dock, (3) incomplete reporting of loadings to the Corps of Engineers, and (4) errors in reporting by survey respondents. The most notable differences occurred in Idaho, Washington, and Oregon, where barge movements on the Snake-Columbia River system were seriously understated in the Corps of Engineers data.

The last method of validation provides important insight into U.S. Department of Transportation data based on a 1 percent sample of all rail bills of lading. These data were expanded to develop estimates of annual shipments and receipts in each state and then compared with the rail shipments reported by survey respondents (Table 6). Some similarities are apparent, but there are also many major differences. These discrepancies appear to be greatest for cases where unit trains and multiple-car shipments account for a large share of the movements between states, and they appear to be smallest where single-car shipments predominate. Additional analysis of both data sets led to the conclusion that there are serious sampling errors in the 1 percent waybill statistics and that those data should therefore be used with caution,

Table 4. Comparison of 1977 Wheat Receipts, Shipments, and Inspections for Export at Various Port Areas

Port area[a]	Quantities determined by survey			Inspections for export[c]
	Receipts	Shipments		
		Domestic[b]	Export	
	thousands of bushels			
Great Lakes Region				
Duluth-Superior	152,038	63,312	88,831	89,069
Chicago	23,090	4,106	2,798	1,589
Toledo	20,522	4,875	14,888	15,856
Saginaw	2,412	0	2,412	2,415
Subtotal	198,062	72,293	108,929	108,929
Atlantic Region				
North Atlantic	13,607	0	11,387	16,172
South Atlantic	23,873	818	20,464	21,201
Subtotal	37,480	818	31,851	37,373
Gulf Region				
East Gulf	12,673	0	12,554	12,548
Louisiana Gulf	174,291	3,500	162,246	162,246
North Texas Gulf	284,543	0	271,810	267,743
South Texas Gulf	32,389	0	30,490	30,013
Subtotal	503,896	3,500	477,100	472,550
Pacific Region				
Columbia River	267,851	387	211,917	211,917
Puget Sound	54,964	1,082	47,500	47,500
California	13,947	0	13,135	13,135
Subtotal	336,762	1,469	272,552	272,552
Total	1,076,200	78,080	890,432	891,404

[a] See Table 3 for a list of ports.

[b] Includes shipments to other port areas (see Table 10).

[c] Data on export shipments and inspections for export in the Great Lakes Region include shipments to Canadian ports.

* The surplus or deficit for each state was calculated by adding the 1977 production to the stocks in all positions as of January 1, 1977, then subtracting the estimated amount used for livestock feed, processing, and seed and deducting the stocks in all positions as of January 1, 1978.

especially where grain commonly moves in multiple-car units. Although the volumes of grain shipments indicated by the two data sets differ substantially in many instances, the data sets agree closely on the destinations to which the grain is moving.

The comparisons between various data sources increase the confidence in the accuracy of estimates derived from sampling a less than perfectly identified population. The logic of each flow reported in this bulletin has been checked by the university person that organized the survey in each state. Where internal inconsistencies were found, the data and the sampling rates were adjusted with assistance from grain specialists and industry personnel in the state. The flow estimates presented in the following sections represent the best information available on the actual volume of wheat transported between the regions of the U.S.

Table 5. Comparison of 1977 Waterway Movements of Wheat in the U.S. as Reported by Survey Respondents and the U.S. Army Corps of Engineers

Originating state	Destination state	Survey results	Corps of Engineers data[a]
		thousands of bushels	
Alabama	Alabama	1,045	1,008
	Other states	0	97
	Subtotal	1,045	1,105
Arkansas	Louisiana	11,422	6,977
	Other states	1,122	171
	Subtotal	12,544	7,148
Idaho	Oregon	10,778	0
	Washington	8,907	0
	Subtotal	19,685	0
Illinois	Illinois	1,596	1,499
	Louisiana	36,934	27,812
	Mississippi	835	1,324
	Other states	506	1,253
	Subtotal	39,871	31,888
Indiana	Louisiana	7,118	6,610
	Tennessee	1,672	154
	Other states	255	199
	Subtotal	9,045	6,963
Iowa	Louisiana	960	1,424
	Tennessee	280	283
	Texas	493	0
	Other states	0	614
	Subtotal	1,733	2,321
Kansas	Indiana	1,802	2,003
	Missouri	1,266	882
	Tennessee	5,739	7,107
	Louisiana	4,204	5,962
	Other states	185	1,848
	Subtotal	13,196	17,802
Kentucky	Kentucky	130	0
	Louisiana	3,694	3,467
	Missouri	402	0
	Other states	0	595
	Subtotal	4,226	4,062
Louisiana	Louisiana	1,263	2,130
	Other states	3,500	2,466
	Subtotal	4,763	4,596

Continued

Table 5 — continued

Originating state	Destination state	Survey results	Corps of Engineers data[a]
		thousands of bushels	
Minnesota and Wisconsin	Alabama	2,489	2,816
	Illinois	2,326	2,292
	Indiana	1,690	1,614
	Louisiana	46,727	45,837
	Missouri	2,320	2,312
	New York	43,002	42,589
	Ohio	2,637	2,949
	Tennessee	10,782	7,138
	Other states	0	354
	Subtotal	111,973	107,901
Mississippi	Louisiana	2,686	3,355
	Other states	0	50
	Subtotal	2,686	3,405
Missouri	Alabama	3,105	692
	Louisiana	25,213	36,148
	Mississippi	1,316	1,317
	Tennessee	0	2,332
	Texas	934	1,263
	Other states	504	469
	Subtotal	31,072	42,221
Nebraska	Louisiana	3,730	3,836
	Tennessee	350	399
	Other states	404	278
	Subtotal	4,484	4,513
Ohio	Louisiana	3,170	5,735
	Other states	0	671
	Subtotal	3,170	6,406
Oklahoma	Alabama	1,355	1,057
	Louisiana	5,543	5,705
	Other states	0	1,571
	Subtotal	6,898	8,333
Oregon	Oregon	11,194	5,639
	Washington	21,438	3,610
	Subtotal	32,632	9,249
Tennessee	Louisiana	6,659	7,576
	Other states	0	923
	Subtotal	6,659	8,499
Virginia	Virginia	807	892
Washington	Oregon	48,457	34,253
	Washington	44,837	26,419
	California	0	745
	Subtotal	93,294	61,417
Other states	Other states	211	136
U.S. total		399,994	328,857

[a] Excludes shipments to unknown destinations.

Table 6. Comparison of 1977 Rail Movements of Wheat as Reported by Survey Respondents and as Estimated from the 1 Percent Waybill Sample

Originating state	Destination state	Survey results	Waybill data
		thousands of bushels	
Alabama	All destinations	773	2,278
Arizona	All destinations	2,123	962
Arkansas	All destinations	726	1,215
California	All destinations	3,049	2,641
Colorado	Arizona	331	646
	California	661	992
	Colorado	2,892	2,627
	Kansas	2,513	6,810
	Missouri	887	1,006
	Nebraska	1,862	1,542
	Oregon	1,083	663
	Texas	1,934	2,661
	Utah	182	2,001
	Washington	3,237	1,339
	Subtotal	15,582	20,287
Florida	All destinations	3,641	0
Georgia	All destinations	216	0
Idaho	California	2,104	3,203
	Colorado	1,063	330
	Idaho	130	2,005
	Oregon	2,139	5,458
	Utah	1,573	9,800
	Washington	7,752	8,588
	Other	23	0
	Subtotal	14,784	29,384
Illinois	Illinois	6,829	4,442
	Indiana	0	333
	Louisiana	2,084	330
	Maryland	0	336
	Missouri	752	1,142
	New York	1,000	1,285
	Oklahoma	0	336
	Pennsylvania	417	0
	South Carolina	186	1,069
	Other	4,057	0
	Subtotal	15,325	9,273
Indiana	Alabama	92	0
	Georgia	100	316
	Illinois	1,646	1,572
	Indiana	2,097	2,304
	Maryland	9,500	6,600
	North Carolina	1,215	1,305
	New York	11,260	4,772
	Ohio	1,445	979
	Pennsylvania	1,655	653
	South Carolina	316	982
	Tennessee	1,000	936
	Virginia	2,835	0
	Subtotal	33,161	20,419

Continued

Table 6 — continued

Originating state	Destination state	Survey results	Waybill data
		thousands of bushels	
Iowa	Iowa	21	333
	Illinois	0	333
	Kansas	49	500
	Minnesota	36	663
	Missouri	411	656
	Nebraska	390	546
	Pennsylvania	0	127
	Other	100	0
	Subtotal	1,007	3,158
Kansas	Arkansas	1,340	300
	Arizona	460	336
	California	987	986
	Colorado	267	1,991
	Iowa	237	906
	Illinois	2,619	3,207
	Indiana	1,061	673
	Kansas	185,185	191,372
	Louisiana	3,970	2,318
	Missouri	30,511	34,962
	North Carolina	3,224	1,652
	Nebraska	2,500	1,219
	Ohio	23	333
	Oklahoma	14,992	15,328
	Texas	140,573	129,957
	Virginia	5,274	1,662
	Washington	278	333
	Other	4,696	0
	Subtotal	398,197	387,535
Kentucky	All destinations	4,602	4,129
Michigan	All destinations	6,183	3,936
Minnesota and Wisconsin	Iowa	152	1,219
	Illinois	4,380	1,655
	Kansas	2,700	3,303
	Louisiana	6,798	2,281
	Michigan	568	663
	Minnesota and Wisconsin	67,277	69,444
	Nebraska	949	333
	New Jersey	0	1,332
	New York	15,369	8,961
	Ohio	556	666
	Oklahoma	912	336
	Pennsylvania	3,491	2,627
	Wisconsin	0	0
	Other	3,000	0
	Subtotal	106,152	92,820
Mississippi	All destinations	291	0

Continued

Table 6 — continued

Originating state	Destination state	Survey results	Waybill data
		thousands of bushels	
Missouri	Iowa	0	982
	Illinois	51	656
	Indiana	817	310
	Kansas	8,248	4,449
	Kentucky	1,223	300
	Louisiana	680	653
	Missouri	25,422	15,415
	Mississippi	0	643
	Texas	14,245	9,314
	Virginia	0	2,011
	Other	483	0
	Subtotal	51,169	34,733
Montana	Minnesota	4,566	1,116
	Montana	15,294	17,835
	North Dakota	0	659
	Oregon	3,108	21,762
	Washington	48,377	40,226
	Wisconsin	0	513
	Other	482	0
	Subtotal	71,827	82,111
Nebraska	California	330	333
	Colorado	2,040	3,307
	Iowa	2,948	5,035
	Illinois	241	653
	Kansas	8,787	9,034
	Minnesota	4,087	5,058
	Missouri	7,609	11,449
	Nebraska	34,336	26,227
	New York	0	996
	Oklahoma	178	1,499
	Oregon	957	333
	South Dakota	0	240
	Texas	16,628	5,052
	Utah	0	673
	Virginia	235	1,998
	Washington	449	526
	Other	127	0
	Subtotal	78,952	72,413
Nevada	All destinations	306	0
New Mexico	All destinations	2,691	0
New York	All destinations	2,838	10,902
North Carolina	All destinations	250	683

Continued

Table 6 — continued

Originating state	Destination state	Survey results	Waybill data
		thousands of bushels	
North Dakota	Iowa	57	1,229
	Illinois	0	663
	Kansas	0	330
	Minnesota	135,506	76,983
	North Dakota	7,444	9,770
	New Jersey	0	1,658
	Oregon	10,262	4,239
	Washington	10,361	6,863
	Wisconsin	31	55,708
	Other	387	0
	Subtotal	164,048	157,443
Ohio	Maryland	4,160	5,614
	New York	4,680	8,531
	Ohio	2,387	9,161
	Pennsylvania	4,845	646
	South Carolina	557	1,042
	Virginia	4,558	2,934
	Other	2,743	0
	Subtotal	23,930	27,928
Oklahoma	Kansas	1,325	2,328
	Louisiana	1,721	1,528
	Missouri	0	333
	Oklahoma	89,169	58,352
	Texas	99,658	91,851
	Other	351	0
	Subtotal	191,561	154,392
Oregon	California	69	303
	Oregon	5,431	5,338
	Washington	8,233	6,640
	Subtotal	13,733	12,281
Pennsylvania	All destinations	0	629
South Carolina	All destinations	336	1,312
South Dakota	Iowa	444	1,602
	Kansas	249	852
	Minnesota	21,417	9,417
	Missouri	68	533
	Nebraska	632	1,116
	South Dakota	0	1,032
	Washington	936	1,518
	Other	2,098	0
	Subtotal	25,844	16,070
Tennessee	Florida	4,126	14,682
	North Carolina	240	2,138
	Tennessee	1,223	656
	Virginia	187	1,016
	Other	530	1,918
	Subtotal	6,306	20,410

Continued

Table 6 — continued

Originating state	Destination state	Survey results	Waybill data
		thousands of bushels	
Texas	California	4,372	3,996
	Louisiana	656	3,323
	Oklahoma	6,532	8,988
	Texas	106,894	124,868
	Other	866	892
	Subtotal	119,320	142,067
Utah	All destinations	6,886	6,647
Virginia	All destinations	3	0
Washington	California	266	0
	Oregon	12,891	16,194
	Washington	49,606	35,228
	Subtotal	62,763	51,422
Wyoming	All destinations	1,639	3,084
U.S. total		1,430,858	1,372,564

OVERVIEW OF MOVEMENTS

This section summarizes selected data and presents an overview of wheat movement patterns. Detailed data on receipts and shipments for each region are presented in the last section of this bulletin.

Production and Domestic Movements

Flow patterns for wheat are more complex than those for other grains because different types or classes of wheat are grown in different parts of the nation. The classes of wheat that can be grown successfully in an area are determined by the climate, soil type, amount of rainfall, and the use of irrigation. Figure 3 shows general areas in which the various kinds of wheat are grown. The production of hard red winter wheat is concentrated in the Great Plains states. The quantity produced annually in 1976–78 averaged 834 million bushels, or 41.9 percent of the total U.S. wheat production. Hard red spring wheat, the second most important type, is grown in Minnesota, Montana, North Dakota, and South Dakota (see appendix Table A1). The 1976–78 production averaged 397 million bushels annually, or 19.9 percent of total U.S. wheat production.

In 1976–78 soft red winter wheat accounted for 19.2 percent of total U.S. wheat production. This type is produced in states east of the Mississippi River. During those same crop years, production of white wheat averaged 260 million bushels, about 87 percent of which was classified as being of the hard type (see appendix Table A2). Durum production averaged 116 million bushels in 1976–78; about three-fourths of that amount was produced in North Dakota.

Wheat is graded and segregated during storage and transportation on the basis of classes and subclasses recognized in the U.S. grading standards:

Class	Subclass
Hard red winter	Dark red Hard Yellow hard
Hard red spring	Dark northern Northern Red
White	Hard white Soft white White club Western white
Soft red winter	None
Durum	Hard amber Amber Durum
Red durum	None

Wheats of the hard type tend to be higher in protein content. Their principal domestic use is in the production of bread flour. Soft wheats are lower in protein and are milled into flour for cakes, cookies, pastries, and crackers. The durum wheats are hard varieties used mainly in the production of semolina, a granular type of flour used to make pasta products.

Flour mills are generally classified as hard wheat mills, soft wheat mills, and durum mills. In 1978 there were 265 active flour mills. Their daily capacity

Figure 3. Locations in which various kinds of wheat are grown in the United States. The average amount of each type produced in 1976-1978 is given in parentheses.

Hard Red Winter
(834 million bushels)

Hard Red Spring
(397 million bushels)

Soft Red Winter
(383 million bushels)

White
(260 million bushels)

Durum
(116 million bushels)

was 1,091,520 hundredweight, about two-thirds of which was classified as hard wheat milling capacity (see appendix Table A3). A large proportion of this hard wheat capacity is located in states where hard wheats are not produced, thus giving rise to sizable interstate wheat movements. For example, the major milling center at Buffalo, New York, is almost entirely devoted to the milling of hard and durum wheats, so large volumes of these types of wheat must be shipped to the mills from distant origins such as Minnesota. In contrast, hard wheat millers in Kansas satisfy most of their needs from nearby sources.

The nature of the export demand for wheat also results in complex interregional movements. The distribution of 1977 exports by class of wheat is shown below:

Wheat class	Percentage of total volume
Hard red winter	42.8
Hard red spring	15.9
Soft red winter	17.6
White	17.9
Durum	5.5
Mixed	0.3
Total	100.0

The quantities of each class of wheat inspected for export at the various port areas are presented in appendix Table A4. The export demand for hard red winter wheat is channeled through the Texas Gulf ports, and supplies are drawn from a region extending north to Nebraska. In 1977 the exports of hard red spring wheat were distributed about equally among the Great Lakes, Gulf, and Pacific export regions. These volumes moved long distances from the northern Great Plains states. The Louisiana Gulf was the predominant port area for the export of soft red winter wheat, and supplies were shipped by barge from most areas adjacent to the Mississippi, Ohio, and Illinois Rivers.

In contrast, white and durum wheats traveled much shorter distances in moving to export points. White wheat exports were focused on Washington and Oregon ports, and most of the demand was satisfied with shipments originating in these states or in Idaho. The Columbia-Snake River system was the link between major production areas and these ports. Over four-fifths of durum exports were handled by facilities in the Duluth-Superior area, and most of this amount was shipped from North Dakota.

Shipments and Receipts by State

In 1977, grain marketing firms in the United States reported shipping about 2.5 billion bushels of wheat to various destinations. About 45 percent of the amount shipped moved to destinations within the state in which it originated. Much of the total amount, of course, is accounted for by the same wheat being shipped in sequence by several firms. The domestic flow patterns for wheat are shown in Figure 4.

Intrastate shipments for each state and mode of transportation are summarized in Table 7. Railroads, the predominant mode of transportation for intrastate shipments, carried almost 55 percent of the total volume. Truck shipments accounted for 40 percent of the total amount shipped, and about 5 percent moved by barge. Very little wheat was shipped by farm trucks.

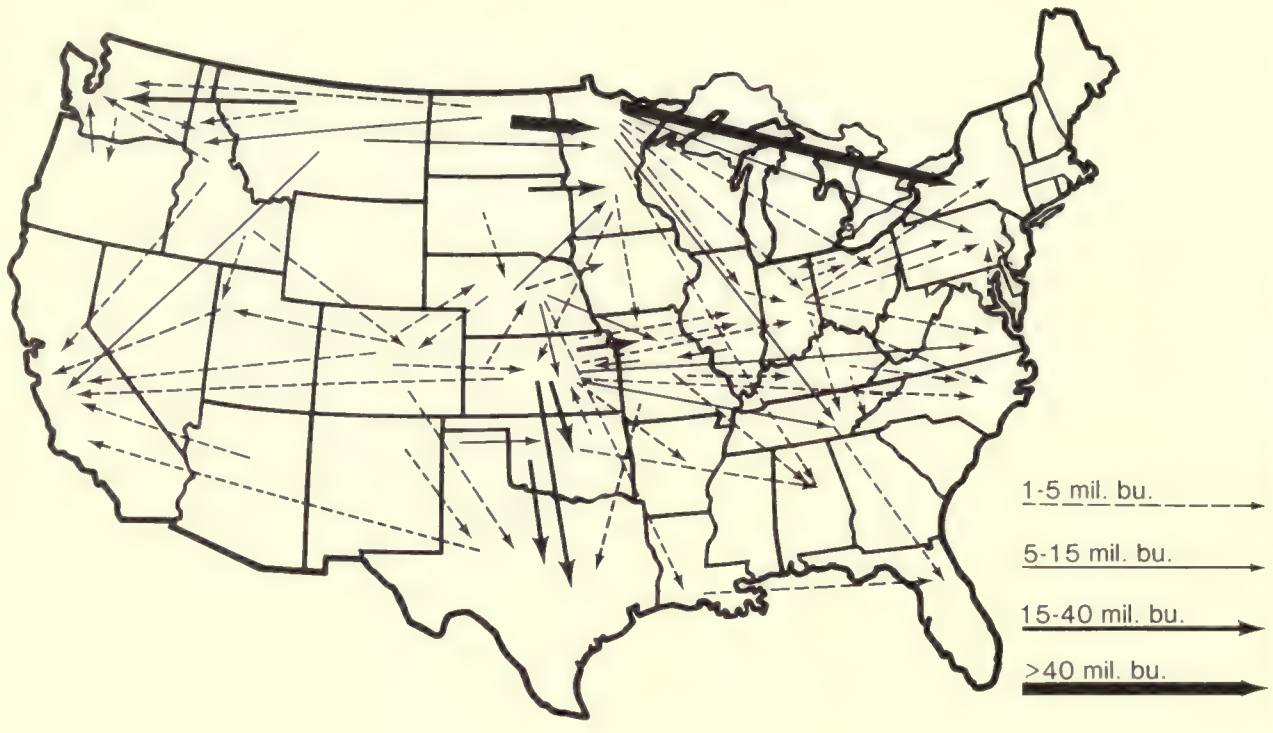
A sizable portion of the intrastate movements consisted of shipments from country elevators to terminal elevators for storage and reshipment. Almost two-thirds of the total volume of intrastate movements occurred within the states of Kansas, Minnesota, Oklahoma, Texas, and Washington. Shipments within each of these states exceeded 100 million bushels in 1977. Over two-thirds of the volume moved by rail. The predominance of the railroad as a carrier of intrastate shipments indicates the importance of rail transit rates that permit stops at intermediate points for storage and processing.

In 1977, marketing firms shipped 1.385 billion bushels of wheat to destinations in other states. Again the railroad was the predominant mode of transportation, accounting for almost three-fifths of the total volume (Table 8). Almost two-thirds of the volume that moved by railroads originated in Kansas, North Dakota, and Oklahoma. Texas was the principal destination for shipments originating in Kansas, Nebraska, and Oklahoma; Minnesota was the principal destination for North Dakota's rail shipments.

Almost one-fourth of the volume shipped across state lines by truck originated in North Dakota. Most of these shipments moved to Minnesota. Trucks were also important in carrying interstate shipments that originated in Montana, Oklahoma, and South Dakota. About one-fourth of the total volume that moved by trucks originated in these states.

Barges carried about one-fourth of all interstate wheat shipments. Illinois, Minnesota, Missouri, and Washington were the sources of 68 percent of the total volume shipped in the U.S. by barge.

Figure 4. Patterns of wheat flows to domestic destinations in 1977.



A large proportion of the wheat shipped by barge, regardless of the state in which it originated, was destined for Gulf ports.

The volume of wheat received in each state from other states is shown in Table 9. Port areas in Louisiana, Minnesota, Oregon, Texas, and Washington were the principal destinations. Minnesota, Missouri, and New York were the most important domestic markets.

Movements to Ports

Table 10 shows the amount of wheat that moved to port locations from each of the originating states by the three modes of commercial transportation. Figure 5 illustrates the pattern of these movements. Over one-third of the total amount originated in Kansas, North Dakota, and Washington. Ports in the Gulf region received 47.3 percent of the total amount received by all ports.

Fifty-eight percent of the wheat shipped to ports went by rail. Kansas, North Dakota, Oklahoma, and Texas were the sources of more than 60 percent of the total amount of wheat shipped by rail to the port regions. Washington shipped a significant amount by rail and ranked fifth among all states that originated rail shipments to port regions.

Only 12.6 percent of the wheat shipped to port regions went by truck. North Dakota shipped the largest amount by truck, accounting for over one-fifth of the 135 million bushels that moved by truck to ports.

More than 313 million bushels were shipped by barge to port regions. Illinois, Minnesota, and Missouri were the most important origins of barge shipments to Gulf ports. Washington firms originated almost two-thirds of the wheat received by barge at Pacific ports.

The proportion of the total volume of wheat shipped to export regions by grain marketing firms and farmers in each state is shown in Figure 6. Firms in Washington, the state that shipped the greatest amount of wheat for export, originated 14.7 percent of the total amount. Kansas and North Dakota also shipped significant volumes; these states ranked second and third, respectively, among all states that shipped wheat to port locations. Together, these two states accounted for almost one-fourth of the total volume that moved to port locations.

Table 7. 1977 Intrastate Shipments of Wheat for Each State and Mode of Transportation

Originating state	Mode of transportation				Total
	Rail	Truck	Barge	Farm truck[a]	
	thousands of bushels				
Alabama	157	1,277	1,045	24	2,503
Arizona	0	4,388	0	0	4,388
Arkansas	4	9,452	0	420	9,876
California	2,996	11,575	0	0	14,571
Colorado	2,892	3,538	0	0	6,430
Delaware	0	113	0	0	113
Florida	3,500	0	0	0	3,500
Georgia	50	280	0	0	330
Idaho	130	13,557	0	0	13,687
Illinois	6,829	40,202	1,596	858	49,485
Indiana	2,097	25,659	0	8	27,764
Iowa	21	1,250	0	0	1,271
Kansas	185,185	39,736	185	0	225,106
Kentucky	436	1,012	130	0	1,578
Louisiana	0	271	1,263	0	1,534
Maryland	0	245	0	0	245
Michigan	2,633	12,978	0	0	15,611
Minnesota	67,277	57,339	0	506	125,122
Mississippi	125	821	0	0	946
Missouri	25,422	9,228	504	0	35,154
Montana	15,294	2,109	0	0	17,403
Nebraska	34,336	43,343	0	1,095	78,774
New York	2,736	1,142	0	0	3,878
North Carolina	90	3,854	0	0	3,944
North Dakota	7,444	0	0	0	7,444
Ohio	2,387	41,738	0	0	44,125
Oklahoma	89,169	34,495	0	0	123,664
Oregon	5,431	15,438	11,194	0	32,063
Pennsylvania	0	2,959	0	0	2,959
South Carolina	284	480	0	175	939
South Dakota	0	2	0	0	2
Tennessee	1,223	5,882	0	50	7,155
Texas	106,894	28,903	0	0	135,797
Utah	4,956	1,193	0	0	6,149
Virginia	3	2,112	807	0	2,922
Washington	49,606	37,134	44,837	0	131,577
Wisconsin	0	345	0	12	357
Wyoming	0	6	0	60	66
Total volume	619,607	454,056	61,561	3,208	1,138,432
Percentage of total volume	54.4	39.9	5.4	0.3	100.0

Note: These data include shipments to port cities within the state but not exports to destinations outside the United States.

[a] This column reports sales by elevators to farmers within the state. Not all states included farm sales in their survey questionnaires, so these data are incomplete and underestimate total shipments to farmers.

Table 8. 1977 Interstate Shipments of Wheat for Each State and Mode of Transportation

Originating state	Mode of transportation				Total
	Rail	Truck	Barge	Farm truck[a]	
	thousands of bushels				
Alabama	616	74	0	0	690
Arizona	2,123	2,322	0	0	4,445
Arkansas	722	1,667	12,544	0	14,933
California	53	0	0	0	53
Colorado	12,690	6,814	0	0	19,504
Delaware	0	1,748	120	0	1,868
Florida	141	27	91	0	259
Georgia	166	113	0	0	279
Idaho	14,654	13,188	19,685	0	47,527
Illinois	8,496	7,477	38,275	0	54,248
Indiana	31,064	12,205	9,045	0	52,314
Iowa	986	1,257	1,733	0	3,976
Kansas	213,012	15,551	13,011	0	241,574
Kentucky	4,166	1,542	4,096	0	9,804
Louisiana	0	288	3,500	0	3,788
Maryland	0	2,756	0	0	2,756
Michigan	3,550	5,400	0	0	8,950
Minnesota	37,310	1	111,973	0	149,284
Mississippi	166	820	2,686	0	3,672
Missouri	25,747	5,701	30,568	0	62,016
Montana	56,533	20,258	0	0	76,791
Nebraska	44,616	10,027	4,484	0	59,127
Nevada	306	0	0	0	306
New Jersey	0	350	0	0	350
New Mexico	2,691	0	0	0	2,691
New York	102	244	0	0	346
North Carolina	160	1,167	0	0	1,327
North Dakota	156,604	55,664	0	0	212,268
Ohio	21,543	6,978	3,170	0	31,691
Oklahoma	103,055	23,951	6,898	0	133,904
Oregon	8,302	5,977	21,438	0	35,717
Pennsylvania	0	84	0	0	84
South Carolina	52	228	0	13	293
South Dakota	25,844	17,165	0	0	43,009
Tennessee	5,083	900	6,659	0	12,642
Texas	12,426[b]	3,707	0	0	16,133
Utah	1,930	1,509	0	0	3,439
Virginia	0	836	0	0	836
Washington	13,157	6,248	48,457	0	67,862
Wisconsin	1,546	1,076	0	0	2,622
Wyoming	1,639	417	0	0	2,056
Total volume	811,251[b]	235,737	338,433	13	1,385,434
Percentage of total volume	58.6	17.0	24.4	0	100.0

Note: These data include shipments to port cities but not exports via ship to destinations outside the United States. Exports by state are shown in Table 10.

[a] This column reports sales by elevators to farmers in other states. Not all states included farm sales in their survey questionnaires, so these data are incomplete and underestimate total shipments to farmers.

[b] Includes 684,000 bushels shipped to Mexico by rail during 1977.

Table 9. 1977 Interstate Receipts of Wheat for Each State and Mode of Transportation

Destination state	Mode of transportation				Total
	Rail	Truck	Barge	Farm truck[a]	
	thousands of bushels				
Alabama	2,817	539	7,930	0	11,286
Arizona	973	627	0	149	1,749
Arkansas	1,340	543	0	0	1,883
California	13,365	10,394	0	104	23,863
Colorado	3,584	303	0	0	3,887
Delaware	0	624	0	357	981
Florida	4,318	0	3,500	0	7,818
Georgia	1,474	390	0	21	1,885
Idaho	136	9,180	0	0	9,316
Illinois	11,601	16,561	2,326	4,399	34,887
Indiana	2,218	4,827	3,572	3,139	13,756
Iowa	3,838	288	0	83	4,209
Kansas	23,871	4,197	0	0	28,068
Kentucky	1,340	1,065	0	0	2,405
Louisiana	16,984	426	158,060	30	175,500
Maine	0	15	0	0	15
Maryland	15,341	211	0	97	15,649
Michigan	568	36	0	0	604
Minnesota	165,740	68,399	0	718	234,857
Mississippi	3,927	970	3,273	0	8,170
Missouri	40,358	8,457	4,028	0	52,843
Montana	0	34	0	0	34
Nebraska	6,352	2,964	0	1,839	11,155
Nevada	23	7	0	0	30
New Jersey	0	27	0	0	27
New Mexico	21	0	0	0	21
New York	33,459	19	44,252[b]	0	77,730
North Carolina	6,710	676	0	0	7,386
North Dakota	0	0	0	0	0
Ohio	2,374	7,419	2,637	6,350	18,780
Oklahoma	22,614	10,611	0	0	33,225
Oregon	33,288	10,280	59,235	0	102,803
Pennsylvania	11,116	9,425	0	680	21,221
South Carolina	1,180	151	0	49	1,380
South Dakota	0	117	0	0	117
Tennessee	7,537	2,277	18,938	4,141	32,893
Texas	276,331	31,401	1,467	0	309,199
Utah	1,783	3,093	0	0	4,876
Vermont	13	1	0	0	14
Virginia	13,572	1,189	120	300	15,181
Washington	80,357	27,902	30,345	1,259	139,863
Wisconsin	31	57	0	8	96
Wyoming	13	35	0	110	158
Total volume	810,567	235,737	339,683[b]	23,833	1,409,820
Percentage of total volume	57.5	16.7	24.1	1.7	100.0

Note: Receipts at port cities are included in the data for the respective states.

[a] This column shows elevator receipts in each state from farmers located in all other states as reported by elevators in the receiving states.

[b] Includes 1,250,000 bushels imported from Canada by barge or lake vessel.

Table 10. 1977 Movements of Wheat to Points of Export for Each Originating State by Three Modes of Transportation

Originating state or port area	Export region	Mode of transportation			Total
		Rail	Truck	Barge	
		thousands of bushels			
Alabama	Gulf	122	344	1,045	1,511
Arizona	Pacific	1,744	0	0	1,744
Arkansas	Gulf	722	0	12,544	13,266
California	Pacific	169	916	0	1,085
Colorado	Gulf	679	207	0	886
	Pacific	4,320	132	0	4,452
Delaware	Atlantic	0	16	120	136
Florida	Gulf	141	27	91	259
Idaho	Pacific	10,173	8,870	19,685	38,728
Illinois	Great Lakes	280	703	1,214	2,197
	Atlantic	330	0	0	330
	Gulf	5,480	0	35,332	40,812
Indiana	Great Lakes	2,702	9,652	0	12,354
	Atlantic	17,885	0	0	17,885
	Gulf	36	0	7,373	7,409
Iowa	Gulf	100	0	1,453	1,553
Kansas	Gulf	116,196	4,010	4,204	124,410
	Pacific	694	0	0	694
Kentucky	Gulf	39	0	3,694	3,733
Louisiana	Gulf	0	0	1,263	1,263
Maryland	Atlantic	0	60	0	60
Michigan	Great Lakes	350	7,754	0	8,104
	Atlantic	2,611	0	0	2,611
Minnesota	Great Lakes	17,533	16,376	0	33,909
	Gulf	3,067	0	46,727	49,794
Mississippi	Gulf	291	241	2,686	3,218
Missouri	Gulf	14,115	8	28,527	42,650
Montana	Great Lakes	926	1,157	0	2,083
	Pacific	39,061	2,133	0	41,194
Nebraska	Great Lakes	0	3,001	0	3,001
	Gulf	15,950	869	2,424	19,243
	Pacific	1,406	0	0	1,406
Nevada	Pacific	113	0	0	113
New Mexico	Gulf	311	0	0	311
New York	Atlantic	50	0	0	50
North Carolina	Atlantic	94	771	0	865
North Dakota	Great Lakes	84,831	24,683	0	109,514
	Gulf	387	13	0	400
	Pacific	20,267	4,758	0	25,025
Ohio	Great Lakes	3,509	10,300	0	13,809
	Atlantic	9,459	0	0	9,459
	Gulf	0	0	3,170	3,170
Oklahoma	Gulf	85,479	11,044	5,898	102,421
Oregon	Pacific	11,973	5,395	32,632	50,000
South Carolina	Atlantic	37	68	0	105
South Dakota	Great Lakes	3,621	4,000	0	7,621
	Gulf	261	90	0	351
	Pacific	2,553	392	0	2,945
Tennessee	Gulf	162	0	6,659	6,821
Texas	Gulf	67,740	6,166	0	73,906
	Mexico	684	0	0	684
Utah	Pacific	489	0	0	489
Virginia	Atlantic	0	944	428	1,372

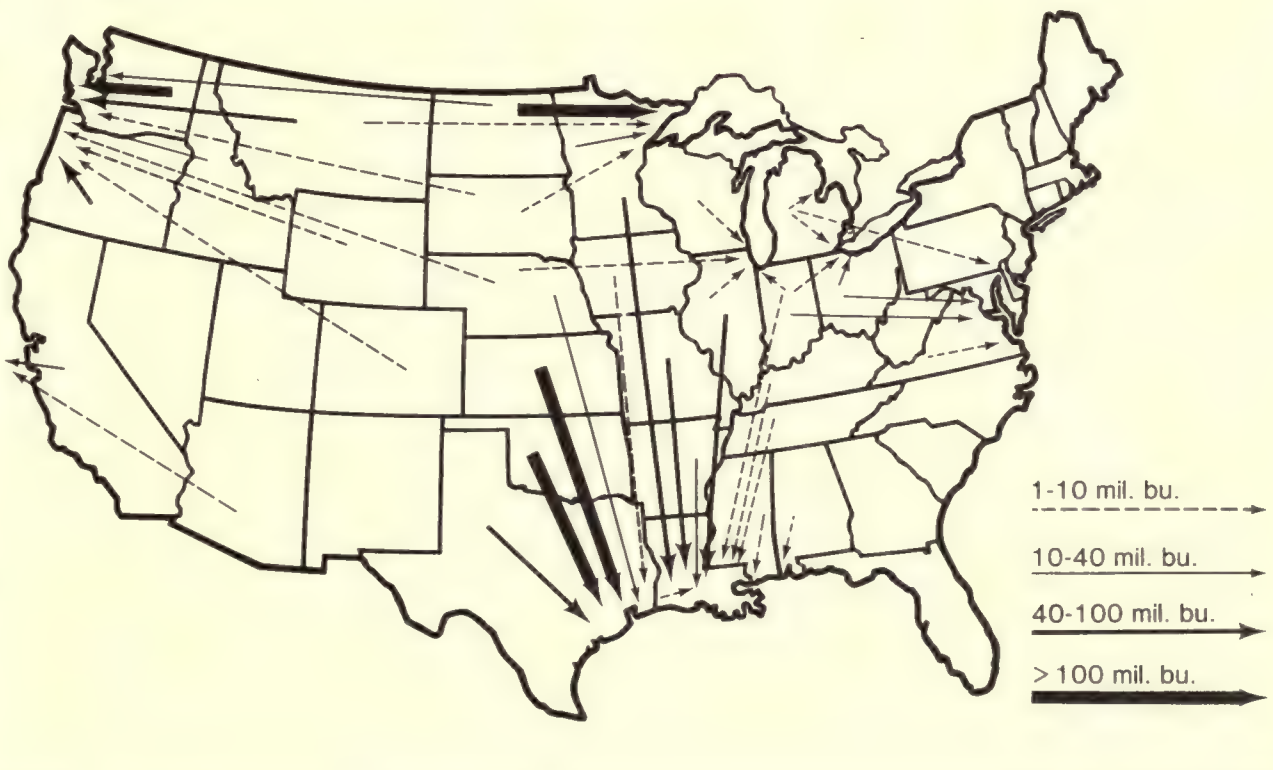
Continued

Table 10 — continued

Originating state or port area	Export region	Mode of transportation			Total
		Rail	Truck	Barge	
		thousands of bushels			
Washington	Pacific	54,871	8,330	93,294	156,495
Wisconsin	Great Lakes	1,462	1,029	0	2,491
Wyoming	Pacific	1,274	132	0	1,406
Duluth-Superior ports	Great Lakes	113	0	0	113
	Atlantic	601	0	0	601
	Gulf	4,072	0	0	4,072
Chicago ports	Great Lakes	219	68	291	578
	Gulf	0	0	2,437	2,437
Toledo ports	Atlantic	3,967	0	0	3,967
Puget Sound ports	Pacific	1,082	0	0	1,082
All states	Great Lakes	115,546	78,723	1,505	195,774
	Atlantic	35,034	1,859	548	37,441
	Gulf	315,350	23,019	165,527	503,896
	Pacific	150,189	31,058	145,611	326,858
	Mexico	684	0	0	684
Total volume		616,803	134,659	313,191	1,064,653
Percentage of total volume		58.0	12.6	29.4	100.0

Note: Shipments between firms within a port area are excluded from these data. Shipments between port areas are shown separately from data for individual states of origin.

Figure 5. Patterns of wheat flows to port areas in 1977.



The estimated amount of wheat received at all port areas in 1977 totaled 1.076 billion bushels, of which 891 million bushels were inspected for export (Table 11). The remainder was processed, was reshipped to other U.S. destinations, or represented an increase in wheat stocks at port elevators. In 1977, 78 million bushels were reshipped to other destinations (Table 4). Over 53 percent of the total volume inspected for export in 1977 was handled by Gulf port elevators. The predominant port area was the North Texas Gulf, which handled 30 percent of the total volume of wheat inspected for export. The Columbia River port area ranked second on the basis of volume; about 212 million bushels were loaded aboard ships through those facilities in 1977.

Foreign Destinations for U.S. Exports

Wheat shipped from its various origins to a specific port area is commingled at the port elevators. It is not possible to trace the movement of wheat from a particular state through the port system to its final destination, and therefore no attempt was made to determine whether a particular ocean vessel was loaded with, for example, Kansas wheat or North Dakota wheat. It is nonetheless of interest to examine one more link in the market chain that connects U.S. farmers with foreign processors and feeders.

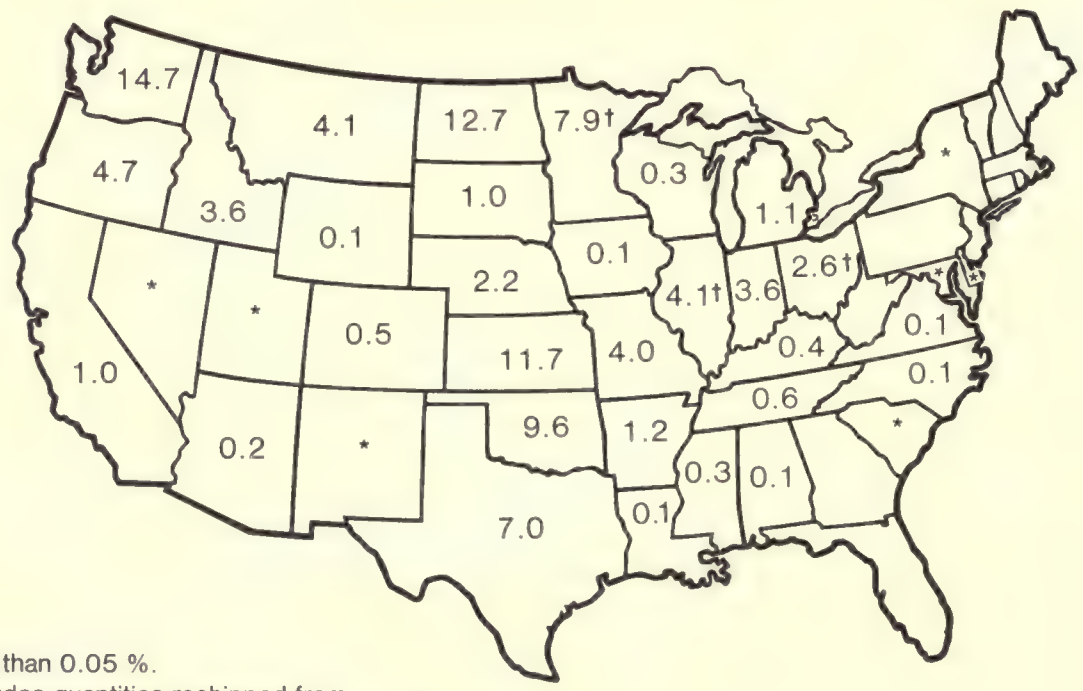
The destination countries for wheat exported from the major export regions of the United States are shown in Table 12. In 1977 Japan purchased 122 million bushels or 14 percent of the total volume exported, making that nation the leading buyer of U.S. wheat. The USSR and the Republic of Korea were the next most important destinations in terms of volume. Together they purchased 182 million bushels. Other major destinations were Egypt and Iran, which purchased a total of 103 million bushels of U.S. wheat.

RECEIPTS AND SHIPMENTS BY AREA

Estimates of the flow of wheat by each mode of transportation and for every study region are presented in Tables 13–223. These estimates represent the most comprehensive and best data available on the volume of wheat transported between each of the regions of the United States.

A detailed study of the flows will likely lead some readers to the conclusion that there are inefficiencies

Figure 6. Percentage of 1977 wheat movements to export regions from each originating state.



* Less than 0.05 %.
† Excludes quantities reshipped from Great Lakes port areas to other port areas.

in the shipment of grain among states. Shipping wheat in both directions between two states is one example of an apparent inefficiency in the marketing pattern. However, most of the shipments reported in this study reflect sellers' attempts to take advantage of profitable marketing opportunities that occur at a particular moment. It is not possible to provide a rationale for all of the movements without complete knowledge of daily price and transportation relationships. Local supply and demand vary throughout the marketing year, and buyers constantly seek the most economical supply source. Changes in supplies, demands, and transportation costs result in frequent changes in the most profitable shipping pattern.

The availability of storage space at harvest time is also an important factor in determining wheat shipments. If local storage facilities are filled with sorghum when wheat moves from the farms, country elevators may be forced to ship wheat to various terminal locations such as Kansas City for storage. Since large amounts of the wheat move by rail under rates with transit privileges, much of the grain is committed to moving to domestic and export points beyond the terminal location. Later in the year supplies in the local region may be exhausted, and flour mills and livestock feeders in that area will begin purchasing wheat from outside sources, reversing the earlier outbound flow. Many other factors, such as the availability of transportation and the terminals' quality blending activities have a substantial impact on wheat movements. An inadequate supply of rail cars during periods of peak movement, for example, may force wheat to flow in a pattern that is not the most economical.

A detailed analysis of the influence of these factors is beyond the scope of this publication. Readers interested in more detailed information about the types of firms involved in movements and the seasonality of those movements should contact Agricultural Experiment Station representatives in the participating states.

Table 11. 1977 Receipts of Wheat at Port Areas by Each Mode of Transportation

Export region and port area	Mode of transportation				Total	Inspections for export[b]
	Rail	Truck	Barge	Farm truck[a]		
	thousands of bushels					
Great Lakes Region						
Duluth-Superior	105,770	46,268	0	0	152,038	89,069
Chicago	7,305	14,039	1,505	241	23,090	1,589
Toledo	2,471	16,004	0	2,047	20,522	15,856
Saginaw	0	2,412	0	0	2,412	2,415
Subtotal	115,546	78,723	1,505	2,288	198,062	108,929
Atlantic Region						
North Atlantic	13,607	0	0	0	13,607	16,172
South Atlantic	21,427	1,859	548	39	23,873	21,201
Subtotal	35,034	1,859	548	39	37,480	37,373
Gulf Region						
East Gulf	5,810	536	6,327	0	12,673	12,548
Louisiana Gulf	16,172	386	157,733	0	174,291	162,246
North Texas Gulf	261,991	21,085	1,467	0	284,543	267,743
South Texas Gulf	31,377	1,012	0	0	32,389	30,013
Subtotal	315,350	23,019	165,527	0	503,896	472,550
Pacific Region						
Columbia River	93,119	29,276	145,546	0	267,851	211,917
Puget Sound	54,042	767	155	0	54,964	47,500
California	3,028	1,015	0	9,904	13,947	13,135
Subtotal	150,189	31,058	145,611	9,904	336,762	272,552
Total receipts	616,119	134,659	313,191	12,231	1,076,200	891,404
Percentage of total receipts	57.3	12.5	29.1	1.1	100.0	

Note: Shipments between firms within a port area are excluded from these data.

[a] This column reports receipts at elevators in each port area delivered directly from farmers.

[b] Inspections for export conducted under the United States Grain Standards Act and reported in *Grain Market News*, Agricultural Marketing Service, U.S. Department of Agriculture, Vol. 26, No. 2 (January 13, 1978), p. 18.

Table 12. 1977 Exports of U.S. Wheat from Canada and the United States by Export Region and Destination

Destination	Export region					Total
	Canada	Great Lakes	Atlantic	Gulf	Pacific	
	thousands of bushels					
Algeria	1,237	17,041	1,408	3,982	0	23,668
Angola	0	0	0	1,265	0	1,265
Azores	0	0	485	0	0	485
Bangladesh	0	0	1,455	11,949	4,155	17,559
Belgium	0	405	192	614	0	1,211
Belize	0	0	0	292	0	292
Bolivia	0	0	0	1,507	0	1,507
Brazil	0	0	0	26,263	0	26,263
Canal Zone	0	0	0	155	0	155
Chile	0	0	0	13,627	0	13,627
China, Rep. of (Taiwan)	0	0	0	0	20,303	20,303
Colombia	0	0	0	14,012	0	14,012
Costa Rica	0	0	0	1,521	0	1,521
Dominican Rep.	0	0	0	5,365	0	5,365
Ecuador	0	0	0	8,679	0	8,679
Egypt	714	2,261	13,173	38,103	0	54,251
El Salvador	0	0	0	4,442	1,299	5.741
Ethiopia	0	0	0	551	0	551
Fed. Rep. of Germany (W)	1,316	5,261	0	440	0	7,017
Finland	0	0	184	0	0	184
France	0	1,195	0	0	0	1,195
German Dem. Rep. (E)	0	1,266	0	0	0	1,266
Ghana	73	0	0	320	386	779
Guatemala	0	0	0	2,140	0	2,140
Guyana	0	0	0	1,451	0	1,451
Haiti	0	0	0	1,876	0	1,876
Honduras	0	0	0	2,142	0	2,142
Hong Kong	0	0	0	0	3,563	3,563
Iceland	0	0	41	0	0	41
India	0	0	3,902	3,663	1,108	8,673
Indonesia	0	0	0	5,988	11,688	17,676
Iran	0	0	0	512	47,964	48,476
Iraq	0	0	0	6,358	0	6,358
Ireland	0	0	0	17	0	17
Israel	0	0	0	14,361	0	14,361
Italy	3,386	9,268	1,419	784	1,327	16,184
Jamaica	0	0	0	1,505	0	1,505
Japan	0	0	0	34,168	87,794	121,962
Jordan	0	0	0	4,970	0	4,970
Kenya	0	0	0	970	0	970
Korea, Rep. of	925	0	0	4,246	65,047	70,218
Lebanon	0	0	147	2,478	0	2,625
Leeward & Windward Islands	0	0	0	96	0	96
Liberia	0	0	0	874	0	874
Malaysia	0	0	0	263	1,055	1,318
Malta	0	841	0	0	0	841
Mexico	0	0	0	15,934	1,114	17,048
Morocco	1,834	3,171	1,507	8,125	0	14,637
Mozambique	0	0	0	734	0	734
Netherlands	3,738	14,437	0	10,739	0	28,914
Netherland Antilles	0	0	0	333	0	333
Nicaragua	0	0	0	1,394	140	1,534

Continued

Table 12 — continued

Destination	Export region					Total
	Canada	Great Lakes	Atlantic	Gulf	Pacific	
	thousands of bushels					
Nigeria	3,165	1,029	0	23,945	0	28,139
Panama	0	0	0	2,296	104	2,400
Peru	0	0	0	14,584	0	14,584
Philippines	1,945	0	0	1,919	13,619	17,483
Poland	1,352	1,294	8,479	13,404	0	24,529
Portugal	0	561	3,842	14,952	0	19,355
Romania	0	0	0	7,714	0	7,714
Saudi Arabia	0	0	0	966	0	966
Sierra Leone	0	0	0	566	0	566
Singapore	0	0	0	652	1,262	1,914
Spain	0	2,392	0	126	0	2,518
Sudan	0	0	0	2,854	1,183	4,037
Surinam	0	0	0	434	0	434
Syria	0	0	1,139	0	0	1,139
Thailand	0	0	0	0	1,909	1,909
Togo	101	0	0	149	0	250
Trinidad	0	0	0	227	0	227
Tunisia	177	4,279	0	3,000	0	7,456
United Kingdom	519	0	0	1,668	0	2,187
USSR	0	0	0	105,245	6,916	112,161
Venezuela	407	9,468	0	13,556	616	24,047
Yemen	0	0	0	28	0	28
Zaire	0	0	0	4,552	0	4,552
Zambia	0	0	0	505	0	505
Total	20,889	74,169	37,373	472,550	272,552	877,533

Sources: Canadian Grain Commission and data on inspections for export under the U.S. Grain Standards Act as reported in *Grain Market News*, Agricultural Marketing Service, U.S. Department of Agriculture, Vol. 26, No. 5 (February 3, 1978), pp. 11-16.

Note: Wheat shipped from storage in Canada is reported at the time of shipment from Canadian ports. Therefore, the combined total shipped from the Canadian and Great Lakes regions is not the same as the total inspected for export at Great Lakes ports as reported in Tables 4, 11, and A4.

TABLE 13. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2600, ALABAMA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1500 SOUTH CAROLINA	0	3	0	0	3
1600 GEORGIA	0	25	0	0	25
1901 INDIANA	56	0	0	0	56
1903 INDIANA	0	56	0	0	56
2259 ILLINOIS	220	0	0	0	220
2262 ILLINOIS	0	0	391	0	391
2318 KENTUCKY	604	0	0	0	604
2400 TENNESSEE	80	261	0	0	341
2500 MISSISSIPPI	0	150	0	0	150
2600 ALABAMA	35	995	0	1908	2938
2705 MINNESOTA	0	0	2489	0	2489
2900 MISSOURI	15	17	2041	0	2073
3505 KANSAS	98	0	0	0	98
3602 OKLAHOMA	72	0	0	0	72
3604 OKLAHOMA	0	0	1000	0	1000
TOTAL VOLUME	1180	1507	5921	1908	10516

TABLE 14. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2600, ALABAMA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1400 NORTH CAROLINA	394	0	0	0	394
1600 GEORGIA	152	12	0	0	164
2400 TENNESSEE	70	0	0	0	70
2600 ALABAMA	35	995	0	24	1054
7301 EAST GULF	122	344	1045	0	1511
TOTAL VOLUME	773	1351	1045	24	3193

TABLE 15. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4400, ARIZONA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3401 NEBRASKA	0	300	0	0	300
3504 KANSAS	460	33	0	0	493
3711 TEXAS	47	1	0	0	48
3712 TEXAS	44	0	0	0	44
3745 TEXAS	91	0	0	0	91
4000 COLORADO	331	293	0	0	624
4400 ARIZONA	0	4388	0	8437	12825
4704 CALIFORNIA	0	0	0	149	149
TOTAL VOLUME	973	5015	0	8586	14574

TABLE 16. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4400, ARIZONA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
4400 ARIZONA	0	4388	0	0	4388
4704 CALIFORNIA	379	2322	0	0	2701
7403 CALIFORNIA	1744	0	0	0	1744
TOTAL VOLUME	2123	6710	0	0	8833

TABLE 17. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3000, ARKANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2500 MISSISSIPPI	0	247	0	0	247
2900 MISSOURI	0	248	0	0	248
3000 ARKANSAS	4	9452	0	17849	27305
3503 KANSAS	1333	0	0	0	1333
3505 KANSAS	7	0	0	0	7
3604 OKLAHOMA	0	48	0	0	48
TOTAL VOLUME	1344	9995	0	17849	29188

TABLE 18. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3000, ARKANSAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2400 TENNESSEE	0	701	0	0	701
2500 MISSISSIPPI	0	316	0	0	316
2900 MISSOURI	0	613	0	0	613
3000 ARKANSAS	4	9452	0	420	9876
3602 OKLAHOMA	0	37	0	0	37
7301 EAST GULF	595	0	1122	0	1717
7302 LOUISIANA GULF	60	0	11422	0	11482
7303 NO. TEXAS GULF	67	0	0	0	67
TOTAL VOLUME	726	11119	12544	420	24809

TABLE 19. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4701, CALIFORNIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3405 NEBRASKA	330	0	0	0	330
3504 KANSAS	64	0	0	0	64
3801 MONTANA	0	31	0	0	31
3802 MONTANA	24	287	0	0	311
3803 MONTANA	60	147	0	0	207
3804 MONTANA	193	390	0	0	583
3805 MONTANA	0	40	0	0	40
4000 COLORADO	317	949	0	0	1266
4202 IDAHO	805	121	0	0	926
4300 UTAH	723	949	0	0	1672
4703 CALIFORNIA	153	3457	0	1144	4754
7401 COLUMBIA RIVER	0	16	0	0	16
TOTAL VOLUME	2669	6387	0	1144	10200

TABLE 20. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4701, CALIFORNIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
4703 CALIFORNIA	0	11	0	0	11
7401 COLUMBIA RIVER	53	0	0	0	53
TOTAL VOLUME	53	11	0	0	64

TABLE 21. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4703, CALIFORNIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3301 SOUTH DAKOTA	0	40	0	0	40
3505 KANSAS	111	0	0	0	111
3711 TEXAS	297	0	0	0	297
3801 MONTANA	0	51	0	0	51
3802 MONTANA	8	486	0	0	494
3803 MONTANA	18	240	0	0	258
3804 MONTANA	59	636	0	0	695
3805 MONTANA	0	65	0	0	65
4202 IDAHO	0	1	0	0	1
4300 UTAH	0	24	0	0	24
4701 CALIFORNIA	0	11	0	0	11
4703 CALIFORNIA	368	3284	0	25780	29432
4800 NEVADA	193	0	0	0	193
7401 COLUMBIA RIVER	328	36	0	0	364
TOTAL VOLUME	1382	4874	0	25780	32036

TABLE 22. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4703, CALIFORNIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4701 CALIFORNIA	153	3457	0	0	3610
4703 CALIFORNIA	368	3284	0	0	3652
4704 CALIFORNIA	1845	2784	0	0	4629
7403 CALIFORNIA	0	755	0	0	755
TOTAL VOLUME	2366	10280	0	0	12646

TABLE 23. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4704, CALIFORNIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3504 KANSAS	812	0	0	0	812
3602 OKLAHOMA	4	0	0	0	4
3711 TEXAS	3948	31	0	0	3979
3712 TEXAS	104	0	0	0	104
3745 TEXAS	23	0	0	0	23
3801 MONTANA	0	86	0	0	86
3802 MONTANA	6	783	0	0	789
3803 MONTANA	16	400	0	0	416
3804 MONTANA	51	1063	0	0	1114
3805 MONTANA	0	108	0	0	108
4000 COLORADO	344	448	0	0	792
4202 IDAHO	511	9	0	0	520
4300 UTAH	718	536	0	0	1254
4400 ARIZONA	379	2322	0	104	2805
4703 CALIFORNIA	1845	2784	0	0	4629
4704 CALIFORNIA	514	1123	0	4780	6417
7401 COLUMBIA RIVER	7	0	0	0	7
TOTAL VOLUME	9282	9693	0	4884	23859

TABLE 24. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4704, CALIFORNIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4704 CALIFORNIA	514	1123	0	0	1637
7403 CALIFORNIA	116	161	0	0	277
TOTAL VOLUME	630	1284	0	0	1914

TABLE 25. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4000, COLORADO

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3300 SOUTH DAKOTA	0	-55	0	0	-55
3301 SOUTH DAKOTA	0	110	0	0	110
3401 NEBRASKA	1724	54	0	0	1778
3404 NEBRASKA	316	0	0	0	316
3501 KANSAS	170	0	0	0	170
3503 KANSAS	97	0	0	0	97
3801 MONTANA	0	1	0	0	1
3802 MONTANA	0	1	0	0	1
3803 MONTANA	0	30	0	0	30
3804 MONTANA	0	4	0	0	4
3805 MONTANA	0	86	0	0	86
3900 WYOMING	214	72	0	0	286
4000 COLORADO	2892	3538	0	0	6430
4202 IDAHO	1063	0	0	0	1063
TOTAL VOLUME	6476	3841	0	0	10317

TABLE 26. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4000, COLORADO

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2900 MISSOURI	887	0	0	0	887
3404 NEBRASKA	1160	206	0	0	1366
3405 NEBRASKA	702	2104	0	0	2806
3502 KANSAS	362	0	0	0	362
3503 KANSAS	0	956	0	0	956
3504 KANSAS	1487	95	0	0	1582
3505 KANSAS	664	0	0	0	664
3711 TEXAS	478	8	0	0	486
3712 TEXAS	491	30	0	0	521
3745 TEXAS	286	154	0	0	440
4000 COLORADO	2892	3538	0	0	6430
4201 IDAHO	0	1	0	0	1
4300 UTAH	182	1231	0	0	1413
4400 ARIZONA	331	293	0	0	624
4701 CALIFORNIA	317	949	0	0	1266
4704 CALIFORNIA	344	448	0	0	792
7303 NO. TEXAS GULF	679	72	0	0	751
7304 SO. TEXAS GULF	0	135	0	0	135
7401 COLUMBIA RIVER	2853	132	0	0	2985
7402 PUGET SOUND	1467	0	0	0	1467
TOTAL VOLUME	15582	10352	0	0	25934

TABLE 27. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1000, DELAWARE

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
800 NEW JERSEY	0	0	0	19	19
903 PENNSYLVANIA	0	0	0	6	6
1000 DELAWARE	0	113	0	1250	1363
1100 MARYLAND	0	624	0	332	956
TOTAL VOLUME	0	737	0	1607	2344

TABLE 28. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1000, DELAWARE

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	0	1611	0	0	1611
1000 DELAWARE	0	113	0	0	113
1100 MARYLAND	0	121	0	0	121
7202 SOUTH ATLANTIC	0	16	120	0	136
TOTAL VOLUME	0	1861	120	0	1981

TABLE 29. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1700, FLORIDA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1700 FLORIDA	3500	0	0	259	3759
2318 KENTUCKY	192	0	0	0	192
2400 TENNESSEE	4126	0	0	0	4126
7302 LOUISIANA GULF	0	0	3500	0	3500
TOTAL VOLUME	7818	0	3500	259	11577

TABLE 30. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1700, FLORIDA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1700 FLORIDA	3500	0	0	0	3500
7301 EAST GULF	141	27	91	0	259
TOTAL VOLUME	3641	27	91	0	3759

TABLE 31. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1600, GEORGIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1400 NORTH CAROLINA	26	8	0	0	34
1500 SOUTH CAROLINA	0	5	0	21	26
1600 GEORGIA	50	280	0	2135	2465
1901 INDIANA	78	0	0	0	78
1903 INDIANA	22	0	0	0	22
2259 ILLINOIS	20	0	0	0	20
2262 ILLINOIS	48	0	0	0	48
2318 KENTUCKY	410	0	0	0	410
2400 TENNESSEE	270	340	0	0	610
2600 ALABAMA	152	12	0	0	164
2900 MISSOURI	0	25	0	0	25
3503 KANSAS	448	0	0	0	448
TOTAL VOLUME	1524	670	0	2156	4350

TABLE 32. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1600, GEORGIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1400 NORTH CAROLINA	85	0	0	0	85
1500 SOUTH CAROLINA	81	88	0	0	169
1600 GEORGIA	50	280	0	0	330
2600 ALABAMA	0	25	0	0	25
TOTAL VOLUME	216	393	0	0	609

TABLE 33. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4201, IDAHO

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	0	1122	0	0	1122
3202 NORTH DAKOTA	0	1388	0	0	1388
3203 NORTH DAKOTA	0	3064	0	0	3064
3301 SOUTH DAKOTA	0	14	0	0	14
3801 MONTANA	0	164	0	0	164
3802 MONTANA	0	1433	0	0	1433
3803 MONTANA	0	87	0	0	87
3804 MONTANA	0	102	0	0	102
3805 MONTANA	0	89	0	0	89
3900 WYOMING	3	38	0	0	41
4000 COLORADO	0	1	0	0	1
4201 IDAHO	25	12338	0	14342	26705
4202 IDAHO	26	1025	0	0	1051
4504 WASHINGTON	0	1366	0	0	1366
4603 OREGON	0	233	0	0	233
TOTAL VOLUME	54	22464	0	14342	36860

TABLE 34. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4201, IDAHO

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
4201 IDAHO	25	12338	0	0	12363
4501 WASHINGTON	104	0	0	0	104
4503 WASHINGTON	222	303	0	0	525
4504 WASHINGTON	0	1474	0	0	1474
4601 OREGON	65	93	0	0	158
7401 COLUMBIA RIVER	1383	144	19685	0	21212
7402 PUGET SOUND	601	0	0	0	601
TOTAL VOLUME	2400	14352	19685	0	36437

TABLE 35. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4202, IDAHO

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3203 NORTH DAKOTA	0	3	0	0	3
3404 NEBRASKA	21	0	0	0	21
3802 MONTANA	33	4	0	0	37
3803 MONTANA	0	1	0	0	1
3804 MONTANA	0	71	0	0	71
3900 WYOMING	79	0	0	0	79
4202 IDAHO	79	194	0	24293	24566
TOTAL VOLUME	212	273	0	24293	24778

TABLE 36. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4202, IDAHO

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
4000 COLORADO	1063	0	0	0	1063
4201 IDAHO	26	1025	0	0	1051
4202 IDAHO	79	194	0	0	273
4300 UTAH	1573	798	0	0	2371
4502 WASHINGTON	40	0	0	0	40
4503 WASHINGTON	0	332	0	0	332
4504 WASHINGTON	0	634	0	0	634
4602 OREGON	0	537	0	0	537
4603 OREGON	75	9	0	0	84
4701 CALIFORNIA	805	121	0	0	926
4703 CALIFORNIA	0	1	0	0	1
4704 CALIFORNIA	511	9	0	0	520
4800 NEVADA	23	7	0	0	30
7401 COLUMBIA RIVER	6598	8506	0	0	15104
7402 PUGET SOUND	803	121	0	0	924
7403 CALIFORNIA	788	99	0	0	887
TOTAL VOLUME	12384	12393	0	0	24777

TABLE 37. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2256, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2100 WISCONSIN	0	45	0	0	45
2256 ILLINOIS	0	1261	0	1567	2828
2257 ILLINOIS	0	97	0	280	377
TOTAL VOLUME	0	1403	0	1847	3250

TABLE 38. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2256, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2256 ILLINOIS	0	1261	0	0	1261
2258 ILLINOIS	0	71	0	0	71
2260 ILLINOIS	0	27	0	0	27
7102 CHICAGO AREA	0	600	923	0	1523
7302 LOUISIANA GULF	0	0	1481	0	1481
TOTAL VOLUME	0	1959	2404	0	4363

TABLE 39. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2257, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2257 ILLINOIS	0	583	0	2468	3051
TOTAL VOLUME	0	583	0	2468	3051

TABLE 40. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2257, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	670	0	0	0	670
1902 INDIANA	0	39	0	0	39
2256 ILLINOIS	0	97	0	0	97
2257 ILLINOIS	0	583	0	0	583
2258 ILLINOIS	692	247	0	0	939
2260 ILLINOIS	0	70	0	0	70
3100 LOUISIANA	75	0	0	0	75
7102 CHICAGO AREA	252	103	0	0	355
7201 NORTH ATLANTIC	330	0	0	0	330
TOTAL VOLUME	2019	1139	0	0	3158

TABLE 41. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2258, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1902 INDIANA	0	1	0	0	1
2256 ILLINOIS	0	71	0	0	71
2257 ILLINOIS	692	247	0	0	939
2258 ILLINOIS	2215	5416	0	19631	27262
2259 ILLINOIS	0	1020	0	0	1020
2260 ILLINOIS	0	2	0	0	2
2261 ILLINOIS	0	62	0	86	148
2262 ILLINOIS	354	250	0	0	604
2270 ILLINOIS	0	308	0	0	308
2705 MINNESOTA	744	0	0	0	744
7102 CHICAGO AREA	1000	0	0	0	1000
TOTAL VOLUME	5005	7377	0	19717	32099

TABLE 42. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2258, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	417	0	0	0	417
1903 INDIANA	0	2409	0	0	2409
2258 ILLINOIS	2215	5416	0	0	7631
2260 ILLINOIS	0	635	0	0	635
2261 ILLINOIS	0	413	0	0	413
2262 ILLINOIS	923	3644	0	0	4567
2900 MISSOURI	527	2317	0	0	2844
7102 CHICAGO AREA	28	0	0	0	28
7302 LOUISIANA GULF	2009	0	0	0	2009
TOTAL VOLUME	6119	14834	0	0	20953

TABLE 43. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2259, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1903 INDIANA	0	0	0	5	5
2258 ILLINOIS	0	0	0	156	156
2259 ILLINOIS	0	2114	0	5878	7992
2262 ILLINOIS	0	10	0	0	10
TOTAL VOLUME	0	2124	0	6039	8163

TABLE 44. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2259, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1500 SOUTH CAROLINA	186	0	0	0	186
1600 GEORGIA	20	0	0	0	20
1903 INDIANA	0	360	0	0	360
2258 ILLINOIS	0	1020	0	0	1020
2259 ILLINOIS	0	2114	0	0	2114
2318 KENTUCKY	20	0	0	0	20
2400 TENNESSEE	160	0	0	0	160
2600 ALABAMA	220	0	0	0	220
7301 EAST GULF	3241	0	0	0	3241
7302 LOUISIANA GULF	0	0	1605	0	1605
TOTAL VOLUME	3847	3494	1605	0	8946

TABLE 45. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2260, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2256 ILLINOIS	0	27	0	63	90
2257 ILLINOIS	0	70	0	0	70
2258 ILLINOIS	0	635	0	21	656
2260 ILLINOIS	0	3151	0	8796	11947
2261 ILLINOIS	0	399	0	126	525
2270 ILLINOIS	0	252	0	1139	1391
TOTAL VOLUME	0	4534	0	10145	14679

TABLE 46. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2260, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	0	2	0	588	590
2260 ILLINOIS	0	3151	0	30	3181
2261 ILLINOIS	0	2267	0	218	2485
2262 ILLINOIS	0	220	0	0	220
2900 MISSOURI	0	435	0	0	435
7102 CHICAGO AREA	0	0	291	0	291
7301 EAST GULF	0	0	835	0	835
7302 LOUISIANA GULF	0	0	5869	0	5869
TOTAL VOLUME	0	6075	6995	836	13906

TABLE 47. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2261, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	0	413	0	767	1180
2260 ILLINOIS	0	2267	0	298	2565
2261 ILLINOIS	0	5422	0	9711	15133
2262 ILLINOIS	0	532	0	0	532
2705 MINNESOTA	836	0	2326	0	3162
2801 IOWA	0	23	0	0	23
2803 IOWA	0	0	0	353	353
2900 MISSOURI	0	339	0	2389	2728
3301 SOUTH DAKOTA	220	0	0	0	220
3404 NEBRASKA	94	0	0	0	94
3405 NEBRASKA	147	0	0	0	147
3502 KANSAS	561	0	0	0	561
3503 KANSAS	279	0	0	0	279
3504 KANSAS	1503	0	0	0	1503
3505 KANSAS	276	0	0	0	276
7102 CHICAGO AREA	0	0	91	0	91
TOTAL VOLUME	3916	8996	2417	13518	28847

TABLE 48. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2261, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	0	62	0	0	62
2260 ILLINOIS	0	399	0	0	399
2261 ILLINOIS	0	5422	0	22	5444
2262 ILLINOIS	0	4263	0	0	4263
2900 MISSOURI	0	5	0	0	5
7302 LOUISIANA GULF	0	0	8116	0	8116
TOTAL VOLUME	0	10151	8116	22	18289

TABLE 49. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2262, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	923	3644	0	110	4677
2259 ILLINOIS	0	0	0	804	804
2260 ILLINOIS	0	220	0	0	220
2261 ILLINOIS	0	4263	0	16	4279
2262 ILLINOIS	1230	6695	0	9976	17901
2300 KENTUCKY	0	0	0	33	33
2900 MISSOURI	51	3153	0	1619	4823
TOTAL VOLUME	2204	17975	0	12558	32737

TABLE 50. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2262, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1600 GEORGIA	48	0	0	0	48
2258 ILLINOIS	354	250	0	0	604
2259 ILLINOIS	0	10	0	0	10
2261 ILLINOIS	0	532	0	0	532
2262 ILLINOIS	1230	6695	0	0	7925
2318 KENTUCKY	97	0	0	0	97
2400 TENNESSEE	21	0	115	0	136
2500 MISSISSIPPI	0	130	0	0	130
2600 ALABAMA	0	0	391	0	391
2900 MISSOURI	225	1782	0	0	2007
7301 EAST GULF	230	0	0	0	230
7302 LOUISIANA GULF	0	0	17426	0	17426
TOTAL VOLUME	2205	9399	17932	0	29536

TABLE 51. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2270, ILLINOIS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	0	0	0	60	60
2270 ILLINOIS	0	0	0	499	499
TOTAL VOLUME	0	0	0	559	559

TABLE 52. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2270, ILLINOIS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	0	308	0	0	308
2260 ILLINOIS	0	252	0	0	252
TOTAL VOLUME	0	560	0	0	560

TABLE 53. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1901, INDIANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1825 OHIO	0	1262	0	0	1262
1850 OHIO	0	757	0	0	757
1901 INDIANA	0	5686	0	15452	21138
1902 INDIANA	40	2101	0	1521	3662
2000 MICHIGAN	0	0	0	297	297
TOTAL VOLUME	40	9806	0	17270	27116

TABLE 54. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1901, INDIANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	1320	0	0	0	1320
903 PENNSYLVANIA	1122	0	0	0	1122
1400 NORTH CAROLINA	396	0	0	0	396
1500 SOUTH CAROLINA	206	0	0	0	206
1600 GEORGIA	78	0	0	0	78
1825 OHIO	0	108	0	0	108
1850 OHIO	389	28	0	0	417
1901 INDIANA	0	5686	0	0	5686
1902 INDIANA	0	2807	0	0	2807
2000 MICHIGAN	0	36	0	0	36
2400 TENNESSEE	211	0	0	0	211
2600 ALABAMA	56	0	0	0	56
7102 CHICAGO AREA	1646	5161	0	0	6807
7103 TOLEDO AREA	1056	0	0	0	1056
7201 NORTH ATLANTIC	654	0	0	0	654
7202 SOUTH ATLANTIC	3460	0	0	0	3460
TOTAL VOLUME	10594	13826	0	0	24420

TABLE 55. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1902, INDIANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1900 INDIANA	0	0	0	94	94
1901 INDIANA	0	2807	0	2205	5012
1902 INDIANA	0	8109	0	35333	43442
1903 INDIANA	0	1100	0	257	1357
2257 ILLINOIS	0	39	0	281	320
2705 MINNESOTA	340	0	0	0	340
2900 MISSOURI	817	0	0	0	817
TOTAL VOLUME	1157	12055	0	38170	51382

TABLE 56. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1902, INDIANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	3430	0	0	0	3430
903 PENNSYLVANIA	533	0	0	0	533
1200 VIRGINIA	960	0	0	0	960
1825 OHIO	0	1150	0	0	1150
1901 INDIANA	40	2101	0	0	2141
1902 INDIANA	0	8109	0	0	8109
1903 INDIANA	0	1429	0	0	1429
2258 ILLINOIS	0	1	0	0	1
7102 CHICAGO AREA	0	3816	0	0	3816
7103 TOLEDO AREA	0	675	0	0	675
7201 NORTH ATLANTIC	5856	0	0	0	5856
7202 SOUTH ATLANTIC	7915	0	0	0	7915
TOTAL VOLUME	18734	17281	0	0	36015

TABLE 57. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1903, INDIANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1902 INDIANA	0	1429	0	0	1429
1903 INDIANA	2057	4427	0	8005	14489
2258 ILLINOIS	0	2409	0	318	2727
2259 ILLINOIS	0	360	0	2243	2603
2705 MINNESOTA	0	0	1690	0	1690
3405 NEBRASKA	0	0	80	0	80
3502 KANSAS	419	0	0	0	419
3503 KANSAS	0	0	1802	0	1802
3504 KANSAS	531	0	0	0	531
3505 KANSAS	111	0	0	0	111
TOTAL VOLUME	3118	8625	3572	10566	25881

TABLE 58. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1903, INDIANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1400 NORTH CAROLINA	819	0	0	0	819
1500 SOUTH CAROLINA	110	0	0	0	110
1600 GEORGIA	22	0	0	0	22
1825 OHIO	0	180	0	0	180
1902 INDIANA	0	1100	0	0	1100
1903 INDIANA	2057	4427	0	8	6492
2318 KENTUCKY	0	88	0	0	88
2319 KENTUCKY	0	776	0	0	776
2400 TENNESSEE	789	0	1672	0	2461
2500 MISSISSIPPI	0	130	0	0	130
2600 ALABAMA	0	56	0	0	56
7301 EAST GULF	36	0	255	0	291
7302 LOUISIANA GULF	0	0	7118	0	7118
TOTAL VOLUME	3833	6757	9045	8	19643

TABLE 59. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2801, IOWA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2801 IOWA	21	857	0	1395	2273
3201 NORTH DAKOTA	17	3	0	0	20
3202 NORTH DAKOTA	39	5	0	0	44
3203 NORTH DAKOTA	1	0	0	0	1
3301 SOUTH DAKOTA	111	117	0	0	228
3302 SOUTH DAKOTA	296	108	0	0	404
3401 NEBRASKA	1029	0	0	0	1029
3402 NEBRASKA	0	4	0	0	4
3403 NEBRASKA	18	48	0	0	66
3404 NEBRASKA	176	0	0	0	176
3405 NEBRASKA	0	0	0	83	83
TOTAL VOLUME	1708	1142	0	1478	4328

TABLE 60. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2801, IOWA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2261 ILLINOIS	0	23	0	0	23
2400 TENNESSEE	0	0	280	0	280
2705 MINNESOTA	36	719	0	0	755
2801 IOWA	21	857	0	0	878
2900 MISSOURI	411	77	0	0	488
3405 NEBRASKA	390	367	0	0	757
3503 KANSAS	3	24	0	0	27
3505 KANSAS	46	3	0	0	49
7302 LOUISIANA GULF	0	0	540	0	540
7303 NO. TEXAS GULF	100	0	493	0	593
TOTAL VOLUME	1007	2070	1313	0	4390

TABLE 61. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2802, IOWA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	124	0	0	0	124
2802 IOWA	0	0	0	64	64
3301 SOUTH DAKOTA	10	0	0	0	10
3405 NEBRASKA	1725	0	0	0	1725
3501 KANSAS	237	0	0	0	237
TOTAL VOLUME	2096	0	0	64	2160

TABLE 62. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2802, IOWA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2900 MISSOURI	0	31	0	0	31
3405 NEBRASKA	0	13	0	0	13
TOTAL VOLUME	0	44	0	0	44

TABLE 63. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2803, IOWA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	28	0	0	0	28
2803 IOWA	0	393	0	47	440
3301 SOUTH DAKOTA	27	3	0	0	30
TOTAL VOLUME	55	396	0	47	498

TABLE 64. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2803, IOWA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2803 IOWA	0	393	0	0	393
7302 LOUISIANA GULF	0	0	420	0	420
TOTAL VOLUME	0	393	420	0	813

TABLE 65. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3500, KANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3501 KANSAS	1572	1881	0	0	3453
3502 KANSAS	874	837	0	0	1711
3503 KANSAS	620	256	0	0	876
3504 KANSAS	1148	1306	0	0	2454
3505 KANSAS	0	1523	0	0	1523
TOTAL VOLUME	4214	5803	0	0	10017

TABLE 66. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3501, KANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3501 KANSAS	0	0	0	127065	127065
3504 KANSAS	40	0	0	0	40
TOTAL VOLUME	40	0	0	127065	127105

TABLE 67. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3501, KANSAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2802 IOWA	237	0	0	0	237
2900 MISSOURI	3058	411	0	0	3469
3404 NEBRASKA	544	0	0	0	544
3405 NEBRASKA	1064	0	0	0	1064
3500 KANSAS	1572	1881	0	0	3453
3502 KANSAS	10526	2416	0	0	12942
3503 KANSAS	6983	2750	0	0	9733
3504 KANSAS	31821	1848	0	0	33669
3505 KANSAS	13930	1574	0	0	15504
3602 OKLAHOMA	111	2116	0	0	2227
3604 OKLAHOMA	0	355	0	0	355
3711 TEXAS	7218	1116	0	0	8334
3712 TEXAS	2692	0	0	0	2692
3745 TEXAS	1875	335	0	0	2210
4000 COLORADO	170	0	0	0	170
4100 NEW MEXICO	21	0	0	0	21
7303 NO. TEXAS GULF	25896	899	0	0	26795
7401 COLUMBIA RIVER	590	0	0	0	590
7402 PUGET SOUND	63	0	0	0	63
TOTAL VOLUME	108371	15701	0	0	124072

TABLE 68. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3502, KANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2900 MISSOURI	75	0	0	0	75
3401 NEBRASKA	59	0	0	0	59
3404 NEBRASKA	46	0	0	0	46
3405 NEBRASKA	119	0	0	0	119
3501 KANSAS	10526	2416	0	0	12942
3502 KANSAS	12320	670	0	86215	99205
3503 KANSAS	292	0	0	0	292
3504 KANSAS	726	0	0	0	726
3505 KANSAS	3630	0	0	0	3630
4000 COLORADO	362	0	0	0	362
TOTAL VOLUME	28155	3086	0	86215	117456

TABLE 69. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3502, KANSAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	1333	0	0	0	1333
1400 NORTH CAROLINA	224	0	0	0	224
1903 INDIANA	419	0	0	0	419
2261 ILLINOIS	561	0	0	0	561
2400 TENNESSEE	246	0	0	0	246
2900 MISSOURI	10364	715	0	0	11079
3404 NEBRASKA	892	0	0	0	892
3500 KANSAS	874	837	0	0	1711
3502 KANSAS	12320	670	0	0	12990
3503 KANSAS	12952	4293	0	0	17245
3504 KANSAS	11275	957	0	0	12232
3505 KANSAS	9876	1036	0	0	10912
3602 OKLAHOMA	671	0	0	0	671
3745 TEXAS	1785	18	0	0	1803
7302 LOUISIANA GULF	734	0	0	0	734
7303 NO. TEXAS GULF	22021	336	0	0	22357
7304 SO. TEXAS GULF	1284	0	0	0	1284
7402 PUGET SOUND	41	0	0	0	41
TOTAL VOLUME	87872	8862	0	0	96734

TABLE 70. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3503, KANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2801 IOWA	3	24	0	0	27
2900 MISSOURI	7812	1901	0	0	9713
3301 SOUTH DAKOTA	14	0	0	0	14
3302 SOUTH DAKOTA	9	0	0	0	9
3401 NEBRASKA	1133	107	0	0	1240
3404 NEBRASKA	1911	17	0	0	1928
3405 NEBRASKA	2224	984	0	0	3208
3501 KANSAS	6983	2750	0	0	9733
3502 KANSAS	12952	4293	0	0	17245
3503 KANSAS	4665	3734	185	10135	18719
3504 KANSAS	2541	298	0	0	2839
3505 KANSAS	7834	3689	0	0	11523
3601 OKLAHOMA	123	0	0	0	123
4000 COLORADO	0	956	0	0	956
TOTAL VOLUME	48204	18753	185	10135	77277

TABLE 71. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3503, KANSAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	30	0	0	0	30
1200 VIRGINIA	2499	0	0	0	2499
1400 NORTH CAROLINA	1810	0	0	0	1810
1600 GEORGIA	448	0	0	0	448
1903 INDIANA	0	0	1802	0	1802
2261 ILLINOIS	279	0	0	0	279
2400 TENNESSEE	675	0	5739	0	6414
2500 MISSISSIPPI	0	6	0	0	6
2900 MISSOURI	6933	158	1266	0	8357
3000 ARKANSAS	1333	0	0	0	1333
3500 KANSAS	620	256	0	0	876
3502 KANSAS	292	0	0	0	292
3503 KANSAS	4665	3734	185	0	8584
3504 KANSAS	98	0	0	0	98
3505 KANSAS	6930	447	0	0	7377
3602 OKLAHOMA	1094	0	0	0	1094
3604 OKLAHOMA	176	118	0	0	294
3745 TEXAS	1191	0	0	0	1191
4000 COLORADO	97	0	0	0	97
7302 LOUISIANA GULF	0	207	4204	0	4411
7303 NO. TEXAS GULF	16936	0	0	0	16936
7304 SO. TEXAS GULF	2210	0	0	0	2210
TOTAL VOLUME	48316	4926	13196	0	66438

TABLE 72. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3504, KANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	2208	0	0	0	2208
2900 MISSOURI	361	0	0	0	361
3401 NEBRASKA	222	2	0	0	224
3404 NEBRASKA	86	30	0	0	116
3405 NEBRASKA	219	0	0	0	219
3501 KANSAS	31821	1848	0	0	33669
3502 KANSAS	11275	957	0	0	12232
3503 KANSAS	98	0	0	0	98
3504 KANSAS	31973	8356	0	69502	109831
3505 KANSAS	4355	75	0	0	4430
3601 OKLAHOMA	331	37	0	0	368
3602 OKLAHOMA	389	0	0	0	389
3603 OKLAHOMA	482	0	0	0	482
4000 COLORADO	1487	95	0	0	1582
7101 DULUTH-SUPERIOR	492	0	0	0	492
TOTAL VOLUME	85799	11400	0	69502	166701

TABLE 73. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3504, KANSAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	90	0	0	0	90
1400 NORTH CAROLINA	1079	0	0	0	1079
1903 INDIANA	531	0	0	0	531
2261 ILLINOIS	1503	0	0	0	1503
2700 MINNESOTA	128	0	0	0	128
2900 MISSOURI	3986	91	0	0	4077
3100 LOUISIANA	81	0	0	0	81
3500 KANSAS	1148	1306	0	0	2454
3501 KANSAS	40	0	0	0	40
3502 KANSAS	726	0	0	0	726
3503 KANSAS	2541	298	0	0	2839
3504 KANSAS	31973	8356	0	0	40329
3505 KANSAS	5682	35	0	0	5717
3602 OKLAHOMA	11560	3334	0	0	14894
3604 OKLAHOMA	36	986	0	0	1022
3710 TEXAS	110	0	0	0	110
3711 TEXAS	5650	0	0	0	5650
3745 TEXAS	6757	449	0	0	7206
4400 ARIZONA	460	33	0	0	493
4701 CALIFORNIA	64	0	0	0	64
4704 CALIFORNIA	812	0	0	0	812
7301 EAST GULF	273	0	0	0	273
7302 LOUISIANA GULF	2802	0	0	0	2802
7303 NO. TEXAS GULF	31719	1723	0	0	33442
7304 SO. TEXAS GULF	3990	3	0	0	3993
TOTAL VOLUME	113741	16614	0	0	130355

TABLE 74. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3505, KANSAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2801 IOWA	46	3	0	0	49
3301 SOUTH DAKOTA	188	23	0	0	211
3302 SOUTH DAKOTA	38	0	0	0	38
3401 NEBRASKA	56	0	0	0	56
3403 NEBRASKA	0	18	0	0	18
3404 NEBRASKA	212	0	0	0	212
3405 NEBRASKA	2500	0	0	0	2500
3501 KANSAS	13930	1574	0	0	15504
3502 KANSAS	9876	1036	0	0	10912
3503 KANSAS	6930	447	0	0	7377
3504 KANSAS	5682	35	0	0	5717
3505 KANSAS	2522	1755	0	28348	32625
4000 COLORADO	664	0	0	0	664
TOTAL VOLUME	42644	4891	0	28348	75883

TABLE 75. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3505, KANSAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	1352	0	0	0	1352
1400 NORTH CAROLINA	111	0	0	0	111
1825 OHIO	23	0	0	0	23
1903 INDIANA	111	0	0	0	111
2261 ILLINOIS	276	0	0	0	276
2400 TENNESSEE	2361	0	0	0	2361
2600 ALABAMA	98	0	0	0	98
2900 MISSOURI	6170	1020	0	0	7190
3000 ARKANSAS	7	0	0	0	7
3500 KANSAS	0	1523	0	0	1523
3502 KANSAS	3630	0	0	0	3630
3503 KANSAS	7834	3689	0	0	11523
3504 KANSAS	4355	75	0	0	4430
3505 KANSAS	2522	1755	0	0	4277
3602 OKLAHOMA	1344	0	0	0	1344
3604 OKLAHOMA	0	30	0	0	30
3723 TEXAS	104	0	0	0	104
3745 TEXAS	1053	0	0	0	1053
3789 TEXAS	104	250	0	0	354
4703 CALIFORNIA	111	0	0	0	111
7302 LOUISIANA GULF	353	0	0	0	353
7303 NO. TEXAS GULF	6305	842	0	0	7147
7304 SO. TEXAS GULF	1673	0	0	0	1673
TOTAL VOLUME	39897	9184	0	0	49081

TABLE 76. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2318, KENTUCKY

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1903 INDIANA	0	88	0	0	88
2259 ILLINOIS	20	0	0	0	20
2262 ILLINOIS	97	0	0	0	97
2318 KENTUCKY	0	836	130	8788	9754
2319 KENTUCKY	0	116	0	0	116
2400 TENNESSEE	0	137	0	0	137
2900 MISSOURI	1223	0	0	0	1223
TOTAL VOLUME	1340	1177	130	8788	11435

TABLE 77. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2318, KENTUCKY

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1400 NORTH CAROLINA	990	0	0	0	990
1600 GEORGIA	410	0	0	0	410
1700 FLORIDA	192	0	0	0	192
2318 KENTUCKY	0	836	130	0	966
2400 TENNESSEE	1357	1209	0	0	2566
2500 MISSISSIPPI	18	162	0	0	180
2600 ALABAMA	604	0	0	0	604
2900 MISSOURI	120	0	402	0	522
7302 LOUISIANA GULF	39	0	3694	0	3733
TOTAL VOLUME	3730	2207	4226	0	10163

TABLE 78. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2319, KENTUCKY

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1903 INDIANA	0	776	0	0	776
2319 KENTUCKY	436	0	0	618	1054
2320 KENTUCKY	0	60	0	0	60
TOTAL VOLUME	436	836	0	618	1890

TABLE 79. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2319, KENTUCKY

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1825 OHIO	0	153	0	0	153
2318 KENTUCKY	0	116	0	0	116
2319 KENTUCKY	436	0	0	0	436
2400 TENNESSEE	436	18	0	0	454
TOTAL VOLUME	872	287	0	0	1159

TABLE 80. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2320, KENTUCKY

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1825 OHIO	0	64	0	0	64
2320 KENTUCKY	0	0	0	220	220
TOTAL VOLUME	0	64	0	220	284

TABLE 81. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2320, KENTUCKY

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2319 KENTUCKY	0	60	0	0	60
TOTAL VOLUME	0	60	0	0	60

TABLE 82. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3100, LOUISIANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2257 ILLINOIS	75	0	0	0	75
3000 ARKANSAS	0	0	0	30	30
3100 LOUISIANA	0	271	0	788	1059
3405 NEBRASKA	0	0	1590	0	1590
3504 KANSAS	81	0	0	0	81
3745 TEXAS	656	40	0	0	696
TOTAL VOLUME	812	311	1590	818	3531

TABLE 83. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3100, LOUISIANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3100 LOUISIANA	0	271	0	0	271
3745 TEXAS	0	288	0	0	288
7302 LOUISIANA GULF	0	0	1263	0	1263
TOTAL VOLUME	0	559	1263	0	1822

TABLE 84. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 100, MAINE

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	0	15	0	0	15
TOTAL VOLUME	0	15	0	0	15

TABLE 85. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1100, MARYLAND

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	0	0	0	18	18
1000 DELAWARE	0	121	0	56	177
1100 MARYLAND	0	185	0	2044	2229
1200 VIRGINIA	0	0	0	20	20
1300 WEST VIRGINIA	0	0	0	3	3
TOTAL VOLUME	0	306	0	2141	2447

TABLE 86. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1100, MARYLAND

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
902 PENNSYLVANIA	0	73	0	0	73
903 PENNSYLVANIA	0	2059	0	0	2059
1000 DELAWARE	0	624	0	0	624
1100 MARYLAND	0	185	0	0	185
7202 SOUTH ATLANTIC	0	60	0	0	60
TOTAL VOLUME	0	3001	0	0	3001

TABLE 87. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2000, MICHIGAN

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1901 INDIANA	0	36	0	0	36
2000 MICHIGAN	2633	10566	0	28677	41876
2705 MINNESOTA	568	0	0	0	568
TOTAL VOLUME	3201	10602	0	28677	42480

TABLE 88. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2000, MICHIGAN

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	589	0	0	0	589
1825 OHIO	0	58	0	0	58
2000 MICHIGAN	2633	10566	0	0	13199
7102 CHICAGO AREA	0	313	0	0	313
7103 TOLEDO AREA	350	5029	0	0	5379
7104 SAGINAW AREA	0	2412	0	0	2412
7201 NORTH ATLANTIC	1150	0	0	0	1150
7202 SOUTH ATLANTIC	1461	0	0	0	1461
TOTAL VOLUME	6183	18378	0	0	24561

TABLE 89. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2700, MINNESOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	1976	2242	0	85276	89494
2705 MINNESOTA	93	58	0	23	174
3201 NORTH DAKOTA	6016	318	0	0	6334
3202 NORTH DAKOTA	3424	464	0	539	4427
3203 NORTH DAKOTA	827	48	0	0	875
3301 SOUTH DAKOTA	1564	304	0	179	2047
3302 SOUTH DAKOTA	967	150	0	0	1117
3404 NEBRASKA	114	329	0	0	443
3405 NEBRASKA	1398	260	0	0	1658
3504 KANSAS	128	0	0	0	128
3802 MONTANA	0	7	0	0	7
3803 MONTANA	576	3	0	0	579
3805 MONTANA	26	0	0	0	26
TOTAL VOLUME	17109	4183	0	86017	107309

TABLE 90. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2700, MINNESOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	1976	2242	0	506	4724
2705 MINNESOTA	48261	36099	0	0	84360
2802 IOWA	124	0	0	0	124
2803 IOWA	28	0	0	0	28
7101 DULUTH-SUPERIOR	16211	16376	0	0	32587
TOTAL VOLUME	66600	54717	0	506	121823

TABLE 91. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2705, MINNESOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2100 WISCONSIN	0	270	0	0	270
2700 MINNESOTA	48261	36099	0	219	84579
2705 MINNESOTA	555	2557	0	0	3112
2801 IOWA	36	719	0	0	755
3201 NORTH DAKOTA	19276	6464	0	0	25740
3202 NORTH DAKOTA	15486	5227	0	0	20713
3203 NORTH DAKOTA	5646	7054	0	0	12700
3301 SOUTH DAKOTA	13704	9690	0	0	23394
3302 SOUTH DAKOTA	1561	1885	0	0	3446
3402 NEBRASKA	7	10	0	0	17
3405 NEBRASKA	2568	3079	0	0	5647
3801 MONTANA	105	13	0	0	118
3802 MONTANA	694	113	0	0	807
3803 MONTANA	2016	973	0	0	2989
3804 MONTANA	101	38	0	0	139
3805 MONTANA	122	1089	0	0	1211
7101 DULUTH-SUPERIOR	0	7	0	0	7
TOTAL VOLUME	110138	75287	0	219	185644

TABLE 92. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2705, MINNESOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	4814	0	0	0	4814
903 PENNSYLVANIA	2483	0	0	0	2483
1400 NORTH CAROLINA	145	0	0	0	145
1850 OHIO	556	0	0	0	556
1902 INDIANA	340	0	0	0	340
1903 INDIANA	0	0	1690	0	1690
2000 MICHIGAN	568	0	0	0	568
2100 WISCONSIN	0	1	0	0	1
2258 ILLINOIS	744	0	0	0	744
2261 ILLINOIS	836	0	2326	0	3162
2400 TENNESSEE	549	0	10782	0	11331
2600 ALABAMA	0	0	2489	0	2489
2700 MINNESOTA	93	58	0	0	151
2705 MINNESOTA	555	2557	0	0	3112
2900 MISSOURI	0	0	2320	0	2320
3405 NEBRASKA	949	0	0	0	949
3504 KANSAS	2208	0	0	0	2208
3602 OKLAHOMA	912	0	0	0	912
3789 TEXAS	199	0	0	0	199
7101 DULUTH-SUPERIOR	169	0	0	0	169
7102 CHICAGO AREA	1153	0	0	0	1153
7302 LOUISIANA GULF	3048	0	46727	0	49775
7303 NO. TEXAS GULF	19	0	0	0	19
TOTAL VOLUME	20340	2616	66334	0	89290

TABLE 93. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2500, MISSISSIPPI

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1500 SOUTH CAROLINA	0	2	0	0	2
1903 INDIANA	0	130	0	0	130
2262 ILLINOIS	0	130	0	0	130
2318 KENTUCKY	18	162	0	0	180
2400 TENNESSEE	18	162	0	0	180
2500 MISSISSIPPI	0	656	0	3969	4625
3000 ARKANSAS	0	316	0	0	316
3503 KANSAS	0	6	0	0	6
TOTAL VOLUME	36	1564	0	3969	5569

TABLE 94. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2500, MISSISSIPPI

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2400 TENNESSEE	0	347	0	0	347
2500 MISSISSIPPI	0	656	0	0	656
2600 ALABAMA	0	150	0	0	150
3000 ARKANSAS	0	247	0	0	247
7301 EAST GULF	125	165	0	0	290
7302 LOUISIANA GULF	166	76	2686	0	2928
TOTAL VOLUME	291	1641	2686	0	4618

TABLE 95. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2900, MISSOURI

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	527	2317	0	0	2844
2260 ILLINOIS	0	435	0	0	435
2261 ILLINOIS	0	5	0	0	5
2262 ILLINOIS	225	1782	0	0	2007
2318 KENTUCKY	120	0	402	0	522
2705 MINNESOTA	0	0	2320	0	2320
2801 IOWA	411	77	0	0	488
2802 IOWA	0	31	0	0	31
2900 MISSOURI	25422	9228	504	51548	86702
3000 ARKANSAS	0	613	0	0	613
3301 SOUTH DAKOTA	68	4	0	0	72
3401 NEBRASKA	2265	0	0	0	2265
3404 NEBRASKA	2944	600	0	0	3544
3405 NEBRASKA	2400	198	40	0	2638
3501 KANSAS	3058	411	0	0	3469
3502 KANSAS	10364	715	0	0	11079
3503 KANSAS	6933	158	1266	0	8357
3504 KANSAS	3986	91	0	0	4077
3505 KANSAS	6170	1020	0	0	7190
4000 COLORADO	887	0	0	0	887
TOTAL VOLUME	65780	17685	4532	51548	139545

TABLE 96. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2900, MISSOURI

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1600 GEORGIA	0	25	0	0	25
1902 INDIANA	817	0	0	0	817
2261 ILLINOIS	0	339	0	0	339
2262 ILLINOIS	51	3153	0	0	3204
2318 KENTUCKY	1223	0	0	0	1223
2600 ALABAMA	15	17	2041	0	2073
2900 MISSOURI	25422	9228	504	0	35154
3000 ARKANSAS	0	248	0	0	248
3405 NEBRASKA	18	10	0	0	28
3502 KANSAS	75	0	0	0	75
3503 KANSAS	7812	1901	0	0	9713
3504 KANSAS	361	0	0	0	361
3745 TEXAS	1260	0	0	0	1260
7301 EAST GULF	450	0	2380	0	2830
7302 LOUISIANA GULF	680	0	25213	0	25893
7303 NO. TEXAS GULF	12542	8	934	0	13484
7304 SO. TEXAS GULF	443	0	0	0	443
TOTAL VOLUME	51169	14929	31072	0	97170

TABLE 97. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3800, MONTANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3801 MONTANA	0	10	0	0	10
3802 MONTANA	3334	1135	0	0	4469
3803 MONTANA	9526	249	0	0	9775
3804 MONTANA	2317	545	0	0	2862
3805 MONTANA	117	170	0	0	287
TOTAL VOLUME	15294	2109	0	0	17403

TABLE 98. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3801, MONTANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3301 SOUTH DAKOTA	0	14	0	0	14
3801 MONTANA	0	0	0	3618	3618
TOTAL VOLUME	0	14	0	3618	3632

TABLE 99. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3801, MONTANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	105	13	0	0	118
3800 MONTANA	0	10	0	0	10
4000 COLORADO	0	1	0	0	1
4201 IDAHO	0	164	0	0	164
4300 UTAH	0	61	0	0	61
4501 WASHINGTON	245	0	0	0	245
4502 WASHINGTON	176	0	0	0	176
4503 WASHINGTON	0	104	0	0	104
4504 WASHINGTON	0	61	0	0	61
4701 CALIFORNIA	0	31	0	0	31
4703 CALIFORNIA	0	51	0	0	51
4704 CALIFORNIA	0	86	0	0	86
7401 COLUMBIA RIVER	416	1190	0	0	1606
7402 PUGET SOUND	871	0	0	0	871
TOTAL VOLUME	1813	1772	0	0	3585

TABLE 100. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3802, MONTANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3802 MONTANA	0	0	0	49095	49095
TOTAL VOLUME	0	0	0	49095	49095

TABLE 101. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3802, MONTANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	0	7	0	0	7
2705 MINNESOTA	694	113	0	0	807
3800 MONTANA	3334	1135	0	0	4469
4000 COLORADO	0	1	0	0	1
4201 IDAHO	0	1433	0	0	1433
4202 IDAHO	33	4	0	0	37
4300 UTAH	0	61	0	0	61
4501 WASHINGTON	4492	0	0	0	4492
4502 WASHINGTON	3401	113	0	0	3514
4503 WASHINGTON	0	1948	0	0	1948
4504 WASHINGTON	0	748	0	0	748
4701 CALIFORNIA	24	287	0	0	311
4703 CALIFORNIA	8	486	0	0	494
4704 CALIFORNIA	6	783	0	0	789
7101 DULUTH-SUPERIOR	0	6	0	0	6
7401 COLUMBIA RIVER	8036	943	0	0	8979
7402 PUGET SOUND	16805	0	0	0	16805
TOTAL VOLUME	36833	8068	0	0	44901

TABLE 102. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3803, MONTANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3803 MONTANA	0	0	0	29518	29518
TOTAL VOLUME	0	0	0	29518	29518

TABLE 103. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3803, MONTANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	576	3	0	0	579
2705 MINNESOTA	2016	973	0	0	2989
3405 NEBRASKA	1	15	0	0	16
3800 MONTANA	9526	249	0	0	9775
4000 COLORADO	0	30	0	0	30
4201 IDAHO	0	87	0	0	87
4202 IDAHO	0	1	0	0	1
4300 UTAH	0	103	0	0	103
4501 WASHINGTON	1096	0	0	0	1096
4502 WASHINGTON	830	41	0	0	871
4503 WASHINGTON	0	518	0	0	518
4504 WASHINGTON	0	311	0	0	311
4701 CALIFORNIA	60	147	0	0	207
4703 CALIFORNIA	18	240	0	0	258
4704 CALIFORNIA	16	400	0	0	416
7101 DULUTH-SUPERIOR	799	770	0	0	1569
7401 COLUMBIA RIVER	1960	0	0	0	1960
7402 PUGET SOUND	4100	0	0	0	4100
TOTAL VOLUME	20998	3888	0	0	24886

TABLE 104. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3804, MONTANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3804 MONTANA	0	0	0	18322	18322
TOTAL VOLUME	0	0	0	18322	18322

TABLE 105. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3804, MONTANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	101	38	0	0	139
3405 NEBRASKA	0	12	0	0	12
3800 MONTANA	2317	545	0	0	2862
3900 WYOMING	13	35	0	0	48
4000 COLORADO	0	4	0	0	4
4201 IDAHO	0	102	0	0	102
4202 IDAHO	0	71	0	0	71
4300 UTAH	0	549	0	0	549
4501 WASHINGTON	1159	0	0	0	1159
4502 WASHINGTON	877	36	0	0	913
4503 WASHINGTON	0	574	0	0	574
4504 WASHINGTON	0	2183	0	0	2183
4701 CALIFORNIA	193	390	0	0	583
4703 CALIFORNIA	59	636	0	0	695
4704 CALIFORNIA	51	1063	0	0	1114
7101 DULUTH-SUPERIOR	0	124	0	0	124
7401 COLUMBIA RIVER	2073	0	0	0	2073
7402 PUGET SOUND	4334	0	0	0	4334
TOTAL VOLUME	11177	6362	0	0	17539

TABLE 106. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3805, MONTANA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3302 SOUTH DAKOTA	0	20	0	0	20
3805 MONTANA	0	0	0	3838	3838
TOTAL VOLUME	0	20	0	3838	3858

TABLE 107. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3805, MONTANA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	26	0	0	0	26
2705 MINNESOTA	122	1089	0	0	1211
3800 MONTANA	117	170	0	0	287
4000 COLORADO	0	86	0	0	86
4201 IDAHO	0	89	0	0	89
4300 UTAH	0	127	0	0	127
4501 WASHINGTON	84	0	0	0	84
4502 WASHINGTON	64	0	0	0	64
4504 WASHINGTON	0	246	0	0	246
4701 CALIFORNIA	0	40	0	0	40
4703 CALIFORNIA	0	65	0	0	65
4704 CALIFORNIA	0	108	0	0	108
7101 DULUTH-SUPERIOR	127	257	0	0	384
7401 COLUMBIA RIVER	151	0	0	0	151
7402 PUGET SOUND	315	0	0	0	315
TOTAL VOLUME	1006	2277	0	0	3283

TABLE 108. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3401, NEBRASKA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3302 SOUTH DAKOTA	0	0	0	737	737
3401 NEBRASKA	0	919	0	47272	48191
3900 WYOMING	0	27	0	0	27
4000 COLORADO	0	0	0	288	288
TOTAL VOLUME	0	946	0	48297	49243

TABLE 109. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3401, NEBRASKA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2801 IOWA	1029	0	0	0	1029
2900 MISSOURI	2265	0	0	0	2265
3302 SOUTH DAKOTA	0	106	0	0	106
3401 NEBRASKA	0	919	0	241	1160
3404 NEBRASKA	2094	1690	0	0	3784
3405 NEBRASKA	11915	15976	0	2	27893
3502 KANSAS	59	0	0	0	59
3503 KANSAS	1133	107	0	0	1240
3504 KANSAS	222	2	0	0	224
3505 KANSAS	56	0	0	0	56
4000 COLORADO	1724	54	0	0	1778
4400 ARIZONA	0	300	0	0	300
7102 CHICAGO AREA	0	2403	0	0	2403
7303 NO. TEXAS GULF	1287	0	0	0	1287
7401 COLUMBIA RIVER	1224	0	0	0	1224
7402 PUGET SOUND	182	0	0	0	182
TOTAL VOLUME	23190	21557	0	243	44990

TABLE 110. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3402, NEBRASKA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3302 SOUTH DAKOTA	0	0	0	222	222
TOTAL VOLUME	0	0	0	222	222

TABLE 111. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3402, NEBRASKA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	7	10	0	0	17
2801 IOWA	0	4	0	0	4
3302 SOUTH DAKOTA	0	11	0	0	11
3402 NEBRASKA	0	0	0	6	6
3405 NEBRASKA	45	147	0	0	192
TOTAL VOLUME	52	172	0	6	230

TABLE 112. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3403, NEBRASKA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3302 SOUTH DAKOTA	0	0	0	22	22
3403 NEBRASKA	2	31	0	369	402
3405 NEBRASKA	0	0	0	5	5
TOTAL VOLUME	2	31	0	396	429

TABLE 113. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3403, NEBRASKA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2801 IOWA	18	48	0	0	66
3403 NEBRASKA	2	31	0	0	33
3404 NEBRASKA	10	12	0	0	22
3405 NEBRASKA	254	51	0	0	305
3505 KANSAS	0	18	0	0	18
TOTAL VOLUME	284	160	0	0	444

TABLE 114. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3404, NEBRASKA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3401 NEBRASKA	2094	1690	0	0	3784
3403 NEBRASKA	10	12	0	0	22
3404 NEBRASKA	2744	5545	0	11731	20020
3405 NEBRASKA	1379	4496	0	9	5884
3501 KANSAS	544	0	0	0	544
3502 KANSAS	892	0	0	376	1268
4000 COLORADO	1160	206	0	0	1366
TOTAL VOLUME	8823	11949	0	12116	32888

TABLE 115. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3404, NEBRASKA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	200	0	0	0	200
2261 ILLINOIS	94	0	0	0	94
2700 MINNESOTA	114	329	0	0	443
2801 IOWA	176	0	0	0	176
2900 MISSOURI	2944	600	0	0	3544
3404 NEBRASKA	2744	5545	0	733	9022
3405 NEBRASKA	8878	1378	0	0	10256
3502 KANSAS	46	0	0	0	46
3503 KANSAS	1911	17	0	0	1928
3504 KANSAS	86	30	0	0	116
3505 KANSAS	212	0	0	0	212
3602 OKLAHOMA	61	0	0	0	61
3745 TEXAS	53	0	0	0	53
4000 COLORADO	316	0	0	0	316
4202 IDAHO	21	0	0	0	21
7102 CHICAGO AREA	0	329	0	0	329
7303 NO. TEXAS GULF	1346	0	0	0	1346
TOTAL VOLUME	19202	8228	0	733	28163

TABLE 116. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3405, NEBRASKA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	949	0	0	0	949
2801 IOWA	390	367	0	25	782
2802 IOWA	0	13	0	0	13
2900 MISSOURI	18	10	0	169	197
3301 SOUTH DAKOTA	615	205	0	0	820
3302 SOUTH DAKOTA	17	5	0	0	22
3401 NEBRASKA	11915	15976	0	0	27891
3402 NEBRASKA	45	147	0	0	192
3403 NEBRASKA	254	51	0	0	305
3404 NEBRASKA	8878	1378	0	2	10258
3405 NEBRASKA	7015	13098	0	31091	51204
3501 KANSAS	1064	0	0	0	1064
3803 MONTANA	1	15	0	0	16
3804 MONTANA	0	12	0	0	12
4000 COLORADO	702	2104	0	0	2806
TOTAL VOLUME	31863	33381	0	31287	96531

TABLE 117. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3405, NEBRASKA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	35	0	0	0	35
1400 NORTH CAROLINA	74	0	0	0	74
1903 INDIANA	0	0	80	0	80
2261 ILLINOIS	147	0	0	0	147
2400 TENNESSEE	32	0	350	0	382
2700 MINNESOTA	1398	260	0	0	1658
2705 MINNESOTA	2568	3079	0	0	5647
2802 IOWA	1725	0	0	0	1725
2900 MISSOURI	2400	198	40	0	2638
3100 LOUISIANA	0	0	1590	0	1590
3404 NEBRASKA	1379	4496	0	0	5875
3405 NEBRASKA	7015	13098	0	113	20226
3502 KANSAS	119	0	0	0	119
3503 KANSAS	2224	984	0	0	3208
3504 KANSAS	219	0	0	0	219
3505 KANSAS	2500	0	0	0	2500
3602 OKLAHOMA	117	0	0	0	117
3712 TEXAS	60	0	0	0	60
3745 TEXAS	565	0	0	0	565
4701 CALIFORNIA	330	0	0	0	330
7102 CHICAGO AREA	0	269	0	0	269
7301 EAST GULF	0	0	244	0	244
7302 LOUISIANA GULF	0	0	2140	0	2140
7303 NO. TEXAS GULF	12433	865	40	0	13338
7304 SO. TEXAS GULF	884	4	0	0	888
TOTAL VOLUME	36224	23253	4484	113	64074

TABLE 118. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4800, NEVADA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4202 IDAHO	23	7	0	0	30
TOTAL VOLUME	23	7	0	0	30

TABLE 119. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4800, NEVADA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4703 CALIFORNIA	193	0	0	0	193
7401 COLUMBIA RIVER	113	0	0	0	113
TOTAL VOLUME	306	0	0	0	306

TABLE 120. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 800, NEW JERSEY

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	0	27	0	0	27
TOTAL VOLUME	0	27	0	0	27

TABLE 121. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 800, NEW JERSEY

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
902 PENNSYLVANIA	0	220	0	0	220
903 PENNSYLVANIA	0	130	0	0	130
TOTAL VOLUME	0	350	0	0	350

TABLE 122. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4100, NEW MEXICO

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3501 KANSAS	21	0	0	0	21
TOTAL VOLUME	21	0	0	0	21

TABLE 123. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4100, NEW MEXICO

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3711 TEXAS	1090	0	0	0	1090
3712 TEXAS	886	0	0	0	886
3745 TEXAS	404	0	0	0	404
7304 SO. TEXAS GULF	311	0	0	0	311
TOTAL VOLUME	2691	0	0	0	2691

TABLE 124. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 701, NEW YORK

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	2686	848	0	2700	6234
903 PENNSYLVANIA	0	19	0	0	19
1901 INDIANA	1320	0	0	0	1320
1902 INDIANA	3430	0	0	0	3430
2257 ILLINOIS	670	0	0	0	670
2705 MINNESOTA	4814	0	0	0	4814
7101 DULUTH-SUPERIOR	10555	0	43002	0	53557
8000 CANADA	0	0	1250	0	1250
TOTAL VOLUME	23475	867	44252	2700	71294

TABLE 125. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 701, NEW YORK

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
100 MAINE	0	15	0	0	15
300 VERMONT	13	1	0	0	14
701 NEW YORK	2686	848	0	0	3534
703 NEW YORK	0	294	0	0	294
903 PENNSYLVANIA	89	228	0	0	317
7201 NORTH ATLANTIC	50	0	0	0	50
TOTAL VOLUME	2838	1386	0	0	4224

TABLE 126. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 702, NEW YORK

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
702 NEW YORK	0	0	0	2	2
TOTAL VOLUME	0	0	0	2	2

TABLE 127. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 703, NEW YORK

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	0	294	0	0	294
703 NEW YORK	0	0	0	55	55
TOTAL VOLUME	0	294	0	55	349

TABLE 128. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1400, NORTH CAROLINA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	0	463	0	0	463
1400 NORTH CAROLINA	90	3854	0	5323	9267
1500 SOUTH CAROLINA	44	213	0	0	257
1600 GEORGIA	85	0	0	0	85
1825 OHIO	299	0	0	0	299
1901 INDIANA	396	0	0	0	396
1903 INDIANA	819	0	0	0	819
2318 KENTUCKY	990	0	0	0	990
2400 TENNESSEE	240	0	0	0	240
2600 ALABAMA	394	0	0	0	394
2705 MINNESOTA	145	0	0	0	145
3405 NEBRASKA	74	0	0	0	74
3502 KANSAS	224	0	0	0	224
3503 KANSAS	1810	0	0	0	1810
3504 KANSAS	1079	0	0	0	1079
3505 KANSAS	111	0	0	0	111
TOTAL VOLUME	6800	4530	0	5323	16653

TABLE 129. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1400, NORTH CAROLINA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	0	325	0	0	325
1400 NORTH CAROLINA	90	3854	0	0	3944
1500 SOUTH CAROLINA	40	63	0	0	103
1600 GEORGIA	26	8	0	0	34
7202 SOUTH ATLANTIC	94	771	0	0	865
TOTAL VOLUME	250	5021	0	0	5271

TABLE 130. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3201, NORTH DAKOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	0	0	0	63073	63073
TOTAL VOLUME	0	0	0	63073	63073

TABLE 131. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3201, NORTH DAKOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2100 WISCONSIN	31	56	0	0	87
2700 MINNESOTA	6016	318	0	0	6334
2705 MINNESOTA	19276	6464	0	0	25740
2801 IOWA	17	3	0	0	20
3202 NORTH DAKOTA	4922	0	0	0	4922
4201 IDAHO	0	1122	0	0	1122
4501 WASHINGTON	316	0	0	0	316
4502 WASHINGTON	40	155	0	0	195
4503 WASHINGTON	0	219	0	0	219
7101 DULUTH-SUPERIOR	41696	7389	0	0	49085
7401 COLUMBIA RIVER	6584	854	0	0	7438
7402 PUGET SOUND	1510	0	0	0	1510
TOTAL VOLUME	80408	16580	0	0	96988

TABLE 132. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3202, NORTH DAKOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	4922	0	0	0	4922
3202 NORTH DAKOTA	2522	0	0	102048	104570
TOTAL VOLUME	7444	0	0	102048	109492

TABLE 133. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3202, NORTH DAKOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	3424	464	0	0	3888
2705 MINNESOTA	15486	5227	0	0	20713
2801 IOWA	39	5	0	0	44
3202 NORTH DAKOTA	2522	0	0	0	2522
4201 IDAHO	0	1388	0	0	1388
7101 DULUTH-SUPERIOR	36534	15787	0	0	52321
7302 LOUISIANA GULF	248	13	0	0	261
7401 COLUMBIA RIVER	7385	1297	0	0	8682
7402 PUGET SOUND	926	0	0	0	926
TOTAL VOLUME	66564	24181	0	0	90745

TABLE 134. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3207, NORTH DAKOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3203 NORTH DAKOTA	0	0	0	30716	30716
TOTAL VOLUME	0	0	0	30716	30716

TABLE 135. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3203, NORTH DAKOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	827	48	0	0	875
2705 MINNESOTA	5646	7054	0	0	12700
2801 IOWA	1	0	0	0	1
4201 IDAHO	0	3064	0	0	3064
4202 IDAHO	0	3	0	0	3
4503 WASHINGTON	0	442	0	0	442
4504 WASHINGTON	0	178	0	0	178
7101 DULUTH-SUPERIOR	6601	1507	0	0	8108
7302 LOUISIANA GULF	139	0	0	0	139
7401 COLUMBIA RIVER	3487	2607	0	0	6094
7402 PUGET SOUND	375	0	0	0	375
TOTAL VOLUME	17076	14903	0	0	31979

TABLE 136. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1825, OHIO

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1825 OHIO	506	9576	0	27856	37938
1850 OHIO	0	766	0	763	1529
1901 INDIANA	0	108	0	0	108
1902 INDIANA	0	1150	0	998	2148
1903 INDIANA	0	180	0	403	583
2000 MICHIGAN	0	58	0	0	58
2319 KENTUCKY	0	153	0	0	153
3505 KANSAS	23	0	0	0	23
TOTAL VOLUME	529	11991	0	30020	42540

TABLE 137. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1825, OHIO

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
903 PENNSYLVANIA	3079	0	0	0	3079
1200 VIRGINIA	859	90	0	0	949
1400 NORTH CAROLINA	299	0	0	0	299
1500 SOUTH CAROLINA	557	0	0	0	557
1825 OHIO	506	9576	0	0	10082
1850 OHIO	816	4649	0	0	5465
1901 INDIANA	0	1262	0	0	1262
2320 KENTUCKY	0	64	0	0	64
7102 CHICAGO AREA	2444	0	0	0	2444
7103 TOLEDO AREA	1065	0	0	0	1065
7201 NORTH ATLANTIC	5567	0	0	0	5567
7202 SOUTH ATLANTIC	3892	0	0	0	3892
7302 LOUISIANA GULF	0	0	3170	0	3170
TOTAL VOLUME	19084	15641	3170	0	37895

TABLE 138. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1850, OHIO

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
901 PENNSYLVANIA	0	38	0	0	38
1825 OHIO	816	4649	0	2150	7615
1850 OHIO	0	15539	0	34090	49629
1901 INDIANA	389	28	0	1037	1454
2000 MICHIGAN	0	0	0	2633	2633
2705 MINNESOTA	556	0	0	0	556
7101 DULUTH-SUPERIOR	0	0	2637	0	2637
7103 TOLEDO AREA	0	908	0	0	908
TOTAL VOLUME	1761	21162	2637	39910	65470

TABLE 139. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1850, OHIO

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
901 PENNSYLVANIA	0	36	0	0	36
902 PENNSYLVANIA	879	440	0	0	1319
903 PENNSYLVANIA	0	4329	0	0	4329
1825 OHIO	0	766	0	0	766
1850 OHIO	0	15539	0	0	15539
1901 INDIANA	0	757	0	0	757
7103 TOLEDO AREA	0	10300	0	0	10300
TOTAL VOLUME	879	32167	0	0	33046

TABLE 140. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3601, OKLAHOMA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3601 OKLAHOMA	0	0	0	19428	19428
TOTAL VOLUME	0	0	0	19428	19428

TABLE 141. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3601, OKLAHOMA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3503 KANSAS	123	0	0	0	123
3504 KANSAS	368	37	0	0	405
3602 OKLAHOMA	6263	2326	0	0	8589
3711 TEXAS	3781	0	0	0	3781
3745 TEXAS	2941	1521	0	0	4462
3767 TEXAS	663	0	0	0	663
3789 TEXAS	0	423	0	0	423
7303 NO. TEXAS GULF	2289	121	0	0	2410
7304 SO. TEXAS GULF	0	21	0	0	21
TOTAL VOLUME	16428	4449	0	0	20877

TABLE 142. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3602, OKLAHOMA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	912	0	0	0	912
3000 ARKANSAS	0	37	0	0	37
3404 NEBRASKA	61	0	0	0	61
3405 NEBRASKA	117	0	0	0	117
3501 KANSAS	111	2116	0	0	2227
3502 KANSAS	671	0	0	0	671
3503 KANSAS	1094	0	0	0	1094
3504 KANSAS	11560	3334	0	0	14894
3505 KANSAS	1344	0	0	0	1344
3601 OKLAHOMA	6263	2326	0	0	8589
3602 OKLAHOMA	56603	17501	0	77647	151751
3603 OKLAHOMA	22999	8539	0	0	31538
3604 OKLAHOMA	2147	797	0	0	2944
3711 TEXAS	6532	3635	0	0	10167
TOTAL VOLUME	110414	38285	0	77647	226346

TABLE 143. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3602, OKLAHOMA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2600 ALABAMA	72	0	0	0	72
3504 KANSAS	352	0	0	0	352
3602 OKLAHOMA	56603	17501	0	0	74104
3603 OKLAHOMA	1157	36	0	0	1193
3604 OKLAHOMA	0	866	0	0	866
3710 TEXAS	408	0	0	0	408
3711 TEXAS	0	2543	0	0	2543
3723 TEXAS	0	1520	0	0	1520
3745 TEXAS	298	193	0	0	491
4704 CALIFORNIA	4	0	0	0	4
7301 EAST GULF	275	0	0	0	275
7302 LOUISIANA GULF	1721	0	0	0	1721
7303 NO. TEXAS GULF	78454	10480	0	0	88934
7304 SO. TEXAS GULF	1415	0	0	0	1415
TOTAL VOLUME	140759	33139	0	0	173898

TABLE 144. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3603, OKLAHOMA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3602 OKLAHOMA	1157	36	0	0	1193
3603 OKLAHOMA	0	0	0	54634	54634
TOTAL VOLUME	1157	36	0	54634	55827

TABLE 145. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3603, OKLAHOMA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3504 KANSAS	482	0	0	0	482
3602 OKLAHOMA	22999	8539	0	0	31538
3712 TEXAS	1656	0	0	0	1656
3745 TEXAS	6292	6622	0	0	12914
3789 TEXAS	136	0	0	0	136
7303 NO. TEXAS GULF	1045	422	0	0	1467
7304 SO. TEXAS GULF	280	0	0	0	280
TOTAL VOLUME	32890	15583	0	0	48473

TABLE 146. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3604, OKLAHOMA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3501 KANSAS	0	355	0	0	355
3503 KANSAS	176	118	0	0	294
3504 KANSAS	36	986	0	0	1022
3505 KANSAS	0	30	0	0	30
3602 OKLAHOMA	0	866	0	0	866
3604 OKLAHOMA	0	4430	0	8981	13411
TOTAL VOLUME	212	6785	0	8981	15978

TABLE 147. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3604, OKLAHOMA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2600 ALABAMA	0	0	1000	0	1000
3000 ARKANSAS	0	48	0	0	48
3602 OKLAHOMA	2147	797	0	0	2944
3604 OKLAHOMA	0	4430	0	0	4430
7301 EAST GULF	0	0	355	0	355
7302 LOUISIANA GULF	0	0	5543	0	5543
TOTAL VOLUME	2147	5275	6898	0	14320

TABLE 148. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4601, OREGON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4201 IDAHO	65	93	0	0	158
4601 OREGON	0	0	0	2782	2782
TOTAL VOLUME	65	93	0	2782	2940

TABLE 149. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4601, OREGON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4501 WASHINGTON	1691	0	0	0	1691
7401 COLUMBIA RIVER	1340	4931	0	0	6271
TOTAL VOLUME	3031	4931	0	0	7962

TABLE 150. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4602, OREGON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4202 IDAHO	0	537	0	0	537
4501 WASHINGTON	0	1036	0	0	1036
4602 OREGON	0	11276	0	32421	43697
TOTAL VOLUME	0	12849	0	32421	45270

TABLE 151. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4602, OREGON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4602 OREGON	0	11276	0	0	11276
7401 COLUMBIA RIVER	9449	375	29419	0	39243
7402 PUGET SOUND	32	0	0	0	32
TOTAL VOLUME	9481	11651	29419	0	50551

TABLE 152. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4603, OREGON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4202 IDAHO	75	9	0	0	84
4503 WASHINGTON	22	104	0	0	126
4504 WASHINGTON	26	0	0	0	26
4603 OREGON	0	900	0	4263	5163
TOTAL VOLUME	123	1013	0	4263	5399

TABLE 153. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4603, OREGON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4201 IDAHO	0	233	0	0	233
4503 WASHINGTON	0	2329	0	0	2329
4504 WASHINGTON	0	1230	0	0	1230
4603 OREGON	0	900	0	0	900
7401 COLUMBIA RIVER	1042	89	3213	0	4344
7402 PUGET SOUND	110	0	0	0	110
TOTAL VOLUME	1152	4781	3213	0	9146

TABLE 154. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 901, PENNSYLVANIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
901 PENNSYLVANIA	0	5	0	687	692
903 PENNSYLVANIA	0	3	0	0	3
1850 OHIO	0	36	0	0	36
TOTAL VOLUME	0	44	0	687	731

TABLE 155. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 901, PENNSYLVANIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
901 PENNSYLVANIA	0	5	0	0	5
903 PENNSYLVANIA	0	449	0	0	449
1850 OHIO	0	36	0	0	36
TOTAL VOLUME	0	490	0	0	490

TABLE 156. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 902, PENNSYLVANIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
800 NEW JERSEY	0	220	0	0	220
902 PENNSYLVANIA	0	0	0	240	240
903 PENNSYLVANIA	0	1	0	219	220
1100 MARYLAND	0	73	0	0	73
1200 VIRGINIA	0	73	0	0	73
1850 OHIO	879	440	0	0	1319
TOTAL VOLUME	879	807	0	459	2145

TABLE 157. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 903, PENNSYLVANIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	89	228	0	0	317
800 NEW JERSEY	0	130	0	3	133
901 PENNSYLVANIA	0	449	0	0	449
903 PENNSYLVANIA	0	2501	0	10949	13450
1000 DELAWARE	0	1611	0	0	1611
1100 MARYLAND	0	2059	0	677	2736
1200 VIRGINIA	0	226	0	0	226
1825 OHIO	3079	0	0	0	3079
1850 OHIO	0	4329	0	0	4329
1901 INDIANA	1122	0	0	0	1122
1902 INDIANA	533	0	0	0	533
2000 MICHIGAN	589	0	0	0	589
2258 ILLINOIS	417	0	0	0	417
2705 MINNESOTA	2483	0	0	0	2483
3503 KANSAS	30	0	0	0	30
7101 DULUTH-SUPERIOR	1008	0	0	0	1008
TOTAL VOLUME	9350	11533	0	11629	32512

TABLE 158. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 903, PENNSYLVANIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	0	19	0	0	19
800 NEW JERSEY	0	27	0	0	27
901 PENNSYLVANIA	0	3	0	0	3
902 PENNSYLVANIA	0	1	0	0	1
903 PENNSYLVANIA	0	2501	0	0	2501
TOTAL VOLUME	0	2551	0	0	2551

TABLE 159. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1500, SOUTH CAROLINA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1400 NORTH CAROLINA	40	63	0	0	103
1500 SOUTH CAROLINA	247	412	0	1721	2380
1600 GEORGIA	81	88	0	49	218
1825 OHIO	557	0	0	0	557
1901 INDIANA	206	0	0	0	206
1903 INDIANA	110	0	0	0	110
2259 ILLINOIS	186	0	0	0	186
TOTAL VOLUME	1427	563	0	1770	3760

TABLE 160. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1500, SOUTH CAROLINA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	8	3	0	0	11
1400 NORTH CAROLINA	44	213	0	0	257
1500 SOUTH CAROLINA	247	412	0	175	834
1600 GEORGIA	0	5	0	13	18
2400 TENNESSEE	0	2	0	0	2
2500 MISSISSIPPI	0	2	0	0	2
2600 ALABAMA	0	3	0	0	3
7202 SOUTH ATLANTIC	37	68	0	0	105
TOTAL VOLUME	336	708	0	188	1232

TABLE 161. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3301, SOUTH DAKOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3301 SOUTH DAKOTA	0	0	0	34877	34877
3302 SOUTH DAKOTA	0	2	0	0	2
TOTAL VOLUME	0	2	0	34877	34879

TABLE 162. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3301, SOUTH DAKOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2261 ILLINOIS	220	0	0	0	220
2700 MINNESOTA	1564	304	0	0	1868
2705 MINNESOTA	13704	9690	0	0	23394
2801 IOWA	111	117	0	0	228
2802 IOWA	10	0	0	0	10
2803 IOWA	27	3	0	0	30
2900 MISSOURI	68	4	0	0	72
3405 NEBRASKA	615	205	0	0	820
3503 KANSAS	14	0	0	0	14
3505 KANSAS	188	23	0	0	211
3801 MONTANA	0	14	0	0	14
4000 COLORADO	0	55	0	0	55
4201 IDAHO	0	14	0	0	14
4300 UTAH	0	15	0	0	15
4501 WASHINGTON	0	19	0	0	19
4502 WASHINGTON	0	12	0	0	12
4703 CALIFORNIA	0	40	0	0	40
7101 DULUTH-SUPERIOR	3621	3996	0	0	7617
7102 CHICAGO AREA	0	4	0	0	4
7302 LOUISIANA GULF	67	55	0	0	122
7401 COLUMBIA RIVER	2001	365	0	0	2366
7402 PUGET SOUND	535	7	0	0	542
TOTAL VOLUME	22745	14942	0	0	37687

TABLE 163. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3302, SOUTH DAKOTA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3302 SOUTH DAKOTA	0	0	0	6113	6113
3401 NEBRASKA	0	106	0	0	106
3402 NEBRASKA	0	11	0	0	11
TOTAL VOLUME	0	117	0	6113	6230

TABLE 164. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3302, SOUTH DAKOTA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2700 MINNESOTA	967	150	0	0	1117
2705 MINNESOTA	1561	1885	0	0	3446
2801 IOWA	296	108	0	0	404
3301 SOUTH DAKOTA	0	2	0	0	2
3405 NEBRASKA	17	5	0	0	22
3503 KANSAS	9	0	0	0	9
3505 KANSAS	38	0	0	0	38
3805 MONTANA	0	20	0	0	20
7302 LOUISIANA GULF	194	35	0	0	229
7401 COLUMBIA RIVER	0	20	0	0	20
7402 PUGET SOUND	17	0	0	0	17
TOTAL VOLUME	3099	2225	0	0	5324

TABLE 165. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2400, TENNESSEE

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1500 SOUTH CAROLINA	0	2	0	0	2
1901 INDIANA	211	0	0	0	211
1903 INDIANA	789	0	1672	0	2461
2259 ILLINOIS	160	0	0	0	160
2262 ILLINOIS	21	0	115	0	136
2318 KENTUCKY	1357	1209	0	316	2882
2319 KENTUCKY	436	18	0	104	558
2400 TENNESSEE	1223	5882	0	8038	15143
2500 MISSISSIPPI	0	347	0	247	594
2600 ALABAMA	70	0	0	1	71
2705 MINNESOTA	549	0	10782	0	11331
2801 IOWA	0	0	280	0	280
3000 ARKANSAS	0	701	0	3473	4174
3405 NEBRASKA	32	0	350	0	382
3502 KANSAS	246	0	0	0	246
3503 KANSAS	675	0	5739	0	6414
3505 KANSAS	2361	0	0	0	2361
7101 DULUTH-SUPERIOR	630	0	0	0	630
TOTAL VOLUME	8760	8159	18938	12179	48036

TABLE 166. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2400, TENNESSEE

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	187	0	0	0	187
1400 NORTH CAROLINA	240	0	0	0	240
1600 GEORGIA	270	340	0	0	610
1700 FLORIDA	4126	0	0	0	4126
2318 KENTUCKY	0	137	0	0	137
2400 TENNESSEE	1223	5882	0	50	7155
2500 MISSISSIPPI	18	162	0	0	180
2600 ALABAMA	80	261	0	0	341
7302 LOUISIANA GULF	162	0	6659	0	6821
TOTAL VOLUME	6306	6782	6659	50	19797

TABLE 167. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3710, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3504 KANSAS	110	0	0	0	110
3602 OKLAHOMA	408	0	0	0	408
3711 TEXAS	0	684	0	0	684
TOTAL VOLUME	518	684	0	0	1202

TABLE 168. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3710, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	684	0	0	0	684
TOTAL VOLUME	684	0	0	0	684

TABLE 169. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3711, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3501 KANSAS	7218	1116	0	0	8334
3504 KANSAS	5650	0	0	0	5650
3601 OKLAHOMA	3781	0	0	0	3781
3602 OKLAHOMA	0	2543	0	0	2543
3711 TEXAS	8578	6425	0	52119	67122
3712 TEXAS	28	123	0	0	151
3723 TEXAS	317	79	0	0	396
3745 TEXAS	1222	2052	0	0	3274
4000 COLORADO	478	8	0	0	486
4100 NEW MEXICO	1090	0	0	0	1090
TOTAL VOLUME	28362	12346	0	52119	92827

TABLE 170. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3711, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3602 OKLAHOMA	6532	3635	0	0	10167
3710 TEXAS	0	684	0	0	684
3711 TEXAS	8578	6425	0	0	15003
3712 TEXAS	7168	342	0	0	7510
3723 TEXAS	0	5	0	0	5
3745 TEXAS	5800	0	0	0	5800
3789 TEXAS	280	1032	0	0	1312
4400 ARIZONA	47	1	0	0	48
4703 CALIFORNIA	297	0	0	0	297
4704 CALIFORNIA	3948	31	0	0	3979
7303 NO. TEXAS GULF	8103	554	0	0	8657
7304 SO. TEXAS GULF	4966	75	0	0	5041
TOTAL VOLUME	45719	12784	0	0	58503

TABLE 171. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3712, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3405 NEBRASKA	60	0	0	0	60
3501 KANSAS	2692	0	0	0	2692
3603 OKLAHOMA	1656	0	0	0	1656
3711 TEXAS	7168	342	0	0	7510
3712 TEXAS	397	683	0	6885	7965
3723 TEXAS	1695	55	0	0	1750
3745 TEXAS	37	0	0	0	37
4000 COLORADO	491	30	0	0	521
4100 NEW MEXICO	886	0	0	0	886
TOTAL VOLUME	15082	1110	0	6885	23077

TABLE 172. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3712, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3711 TEXAS	28	123	0	0	151
3712 TEXAS	397	683	0	0	1080
3745 TEXAS	250	0	0	0	250
3767 TEXAS	0	270	0	0	270
3789 TEXAS	32	0	0	0	32
4400 ARIZONA	44	0	0	0	44
4704 CALIFORNIA	104	0	0	0	104
7303 NO. TEXAS GULF	2467	249	0	0	2716
7304 SO. TEXAS GULF	1797	5	0	0	1802
TOTAL VOLUME	5119	1330	0	0	6449

TABLE 173. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3723, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3505 KANSAS	104	0	0	0	104
3602 OKLAHOMA	0	1520	0	0	1520
3711 TEXAS	0	5	0	0	5
3723 TEXAS	3934	107	0	34700	38741
TOTAL VOLUME	4038	1632	0	34700	40370

TABLE 174. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3723, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3711 TEXAS	317	79	0	0	396
3712 TEXAS	1695	55	0	0	1750
3723 TEXAS	3934	107	0	0	4041
3745 TEXAS	7522	7036	0	0	14558
3789 TEXAS	0	60	0	0	60
7303 NO. TEXAS GULF	6779	725	0	0	7504
7304 SO. TEXAS GULF	2762	192	0	0	2954
TOTAL VOLUME	23009	8254	0	0	31263

TABLE 175. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3745, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2900 MISSOURI	1260	0	0	0	1260
3100 LOUISIANA	0	288	0	0	288
3404 NEBRASKA	53	0	0	0	53
3405 NEBRASKA	565	0	0	0	565
3501 KANSAS	1875	335	0	0	2210
3502 KANSAS	1785	18	0	0	1803
3503 KANSAS	1191	0	0	0	1191
3504 KANSAS	6757	449	0	0	7206
3505 KANSAS	1053	0	0	0	1053
3601 OKLAHOMA	2941	1521	0	0	4462
3602 OKLAHOMA	298	193	0	0	491
3603 OKLAHOMA	6292	6622	0	0	12914
3711 TEXAS	5800	0	0	0	5800
3712 TEXAS	250	0	0	0	250
3723 TEXAS	7522	7036	0	0	14558
3745 TEXAS	1557	2670	0	15530	19757
3900 WYOMING	41	0	0	0	41
4000 COLORADO	286	154	0	0	440
4100 NEW MEXICO	404	0	0	0	404
7101 DULUTH-SUPERIOR	99	0	0	0	99
TOTAL VOLUME	40029	19286	0	15530	74845

TABLE 176. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3745, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3100 LOUISIANA	656	40	0	0	696
3711 TEXAS	1222	2052	0	0	3274
3712 TEXAS	37	0	0	0	37
3745 TEXAS	1557	2670	0	0	4227
3789 TEXAS	337	1092	0	0	1429
4400 ARIZONA	91	0	0	0	91
4704 CALIFORNIA	23	0	0	0	23
7303 NO. TEXAS GULF	31504	3592	0	0	35096
7304 SO. TEXAS GULF	9362	208	0	0	9570
TOTAL VOLUME	44789	9654	0	0	54443

TABLE 177. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3767, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3601 OKLAHOMA	663	0	0	0	663
3712 TEXAS	0	270	0	0	270
3767 TEXAS	0	22	0	0	22
TOTAL VOLUME	663	292	0	0	955

TABLE 178. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3767, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3767 TEXAS	0	22	0	0	22
7304 SO. TEXAS GULF	0	48	0	0	48
TOTAL VOLUME	0	70	0	0	70

TABLE 179. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3789, TEXAS

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	199	0	0	0	199
3505 KANSAS	104	250	0	0	354
3601 OKLAHOMA	0	423	0	0	423
3603 OKLAHOMA	136	0	0	0	136
3711 TEXAS	280	1032	0	0	1312
3712 TEXAS	32	0	0	0	32
3723 TEXAS	0	60	0	0	60
3745 TEXAS	337	1092	0	0	1429
3789 TEXAS	0	0	0	1210	1210
7101 DULUTH-SUPERIOR	96	0	0	0	96
TOTAL VOLUME	1184	2857	0	1210	5251

TABLE 180. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3789, TEXAS

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
7303 NO. TEXAS GULF	0	197	0	0	197
7304 SO. TEXAS GULF	0	321	0	0	321
TOTAL VOLUME	0	518	0	0	518

TABLE 181. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4300, UTAH

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3301 SOUTH DAKOTA	0	15	0	0	15
3801 MONTANA	0	61	0	0	61
3802 MONTANA	0	61	0	0	61
3803 MONTANA	0	103	0	0	103
3804 MONTANA	0	549	0	0	549
3805 MONTANA	0	127	0	0	127
3900 WYOMING	28	148	0	0	176
4000 COLORADO	182	1231	0	0	1413
4202 IDAHO	1573	798	0	0	2371
4300 UTAH	4956	1193	0	4770	10919
TOTAL VOLUME	6739	4286	0	4770	15795

TABLE 182. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4300, UTAH

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
4300 UTAH	4956	1193	0	0	6149
4701 CALIFORNIA	723	949	0	0	1672
4703 CALIFORNIA	0	24	0	0	24
4704 CALIFORNIA	718	536	0	0	1254
7401 COLUMBIA RIVER	256	0	0	0	256
7402 PUGET SOUND	233	0	0	0	233
TOTAL VOLUME	6886	2702	0	0	9588

TABLE 183. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 300, VERMONT

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
300 VERMONT	0	0	0	12	12
701 NEW YORK	13	1	0	0	14
TOTAL VOLUME	13	1	0	12	26

TABLE 184. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 1200, VIRGINIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	0	427	379	5909	6715
1400 NORTH CAROLINA	0	325	0	300	625
1500 SOUTH CAROLINA	8	3	0	0	11
1825 OHIO	859	90	0	0	949
1902 INDIANA	960	0	0	0	960
2400 TENNESSEE	187	0	0	0	187
3404 NEBRASKA	200	0	0	0	200
3405 NEBRASKA	35	0	0	0	35
3502 KANSAS	1333	0	0	0	1333
3503 KANSAS	2499	0	0	0	2499
3504 KANSAS	90	0	0	0	90
3505 KANSAS	1352	0	0	0	1352
7202 SOUTH ATLANTIC	3	815	0	0	818
TOTAL VOLUME	7526	1660	379	6209	15774

TABLE 185. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 1200, VIRGINIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
902 PENNSYLVANIA	0	73	0	0	73
903 PENNSYLVANIA	0	226	0	0	226
1200 VIRGINIA	0	427	379	0	806
1400 NORTH CAROLINA	0	463	0	0	463
7202 SOUTH ATLANTIC	0	944	428	0	1372
TOTAL VOLUME	0	2133	807	0	2940

TABLE 186. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4501, WASHINGTON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	316	0	0	0	316
3301 SOUTH DAKOTA	0	19	0	0	19
3801 MONTANA	245	0	0	0	245
3802 MONTANA	4492	0	0	0	4492
3803 MONTANA	1096	0	0	0	1096
3804 MONTANA	1159	0	0	0	1159
3805 MONTANA	84	0	0	0	84
4201 IDAHO	104	0	0	0	104
4501 WASHINGTON	786	0	0	15820	16606
4502 WASHINGTON	414	0	0	0	414
4503 WASHINGTON	2628	101	0	0	2729
4504 WASHINGTON	809	0	0	0	809
4601 OREGON	1691	0	0	0	1691
TOTAL VOLUME	13824	120	0	15820	29764

TABLE 187. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4501, WASHINGTON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
4501 WASHINGTON	786	0	0	0	786
4504 WASHINGTON	0	680	0	0	680
4602 OREGON	0	1036	0	0	1036
7401 COLUMBIA RIVER	3308	2953	7729	0	13990
TOTAL VOLUME	4094	4669	7729	0	16492

TABLE 188. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4502, WASHINGTON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	40	155	0	0	195
3301 SOUTH DAKOTA	0	12	0	0	12
3801 MONTANA	176	0	0	0	176
3802 MONTANA	3401	113	0	0	3514
3803 MONTANA	830	41	0	0	871
3804 MONTANA	877	36	0	0	913
3805 MONTANA	64	0	0	0	64
4202 IDAHO	40	0	0	0	40
4502 WASHINGTON	601	0	0	14844	15445
4503 WASHINGTON	912	0	0	0	912
4504 WASHINGTON	196	0	0	0	196
TOTAL VOLUME	7137	357	0	14844	22338

TABLE 189. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4502, WASHINGTON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4501 WASHINGTON	414	0	0	0	414
4502 WASHINGTON	601	0	0	0	601
4503 WASHINGTON	0	630	0	0	630
4504 WASHINGTON	0	164	0	0	164
7401 COLUMBIA RIVER	7604	3094	0	0	10698
7402 PUGET SOUND	2337	0	0	0	2337
TOTAL VOLUME	10956	3888	0	0	14844

TABLE 190. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4503, WASHINGTON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	0	219	0	0	219
3203 NORTH DAKOTA	0	442	0	0	442
3801 MONTANA	0	104	0	0	104
3802 MONTANA	0	1948	0	0	1948
3803 MONTANA	0	518	0	0	518
3804 MONTANA	0	574	0	0	574
4201 IDAHO	222	303	0	0	525
4202 IDAHO	0	332	0	0	332
4501 WASHINGTON	0	0	0	136	136
4502 WASHINGTON	0	630	0	1551	2181
4503 WASHINGTON	150	1449	0	39092	40691
4504 WASHINGTON	0	735	0	662	1397
4603 OREGON	0	2329	0	1009	3338
TOTAL VOLUME	372	9583	0	42450	52405

TABLE 191. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4503, WASHINGTON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4501 WASHINGTON	2628	101	0	0	2729
4502 WASHINGTON	912	0	0	0	912
4503 WASHINGTON	150	1449	0	0	1599
4504 WASHINGTON	0	4209	0	0	4209
4603 OREGON	22	104	0	0	126
7401 COLUMBIA RIVER	15944	1507	23528	0	40979
7402 PUGET SOUND	13929	639	155	0	14723
TOTAL VOLUME	33585	8009	23683	0	63277

TABLE 192. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 4504, WASHINGTON

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3203 NORTH DAKOTA	0	178	0	0	178
3801 MONTANA	0	61	0	0	61
3802 MONTANA	0	748	0	0	748
3803 MONTANA	0	311	0	0	311
3804 MONTANA	0	2183	0	0	2183
3805 MONTANA	0	246	0	0	246
4201 IDAHO	0	1474	0	0	1474
4202 IDAHO	0	634	0	250	884
4501 WASHINGTON	0	680	0	235	915
4502 WASHINGTON	0	164	0	1361	1525
4503 WASHINGTON	0	4209	0	0	4209
4504 WASHINGTON	0	24578	0	45226	69804
4603 OREGON	0	1230	0	0	1230
TOTAL VOLUME	0	36696	0	47072	83768

TABLE 193. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 4504, WASHINGTON

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4201 IDAHO	0	1366	0	0	1366
4501 WASHINGTON	809	0	0	0	809
4502 WASHINGTON	196	0	0	0	196
4503 WASHINGTON	0	735	0	0	735
4504 WASHINGTON	0	24578	0	0	24578
4603 OREGON	26	0	0	0	26
7401 COLUMBIA RIVER	7304	137	61882	0	69323
7402 PUGET SOUND	4445	0	0	0	4445
TOTAL VOLUME	12780	26816	61882	0	101478

TABLE 194. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 2100, WISCONSIN

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2100 WISCONSIN	0	77	0	2574	2651
2256 ILLINOIS	0	0	0	8	8
2705 MINNESOTA	0	1	0	0	1
3201 NORTH DAKOTA	31	56	0	0	87
TOTAL VOLUME	31	134	0	2582	2747

TABLE 195. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 2100, WISCONSIN

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2100 WISCONSIN	0	77	0	12	89
2256 ILLINOIS	0	45	0	0	45
2705 MINNESOTA	0	270	0	0	270
7101 DULUTH-SUPERIOR	0	56	0	0	56
7102 CHICAGO AREA	1462	973	0	0	2435
TOTAL VOLUME	1462	1421	0	12	2895

TABLE 196. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 3900, WYOMING

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3401 NEBRASKA	0	0	0	110	110
3804 MONTANA	13	35	0	0	48
3900 WYOMING	0	6	0	2913	2919
TOTAL VOLUME	13	41	0	3023	3077

TABLE 197. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 3900, WYOMING

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3401 NEBRASKA	0	27	0	0	27
3745 TEXAS	41	0	0	0	41
3900 WYOMING	0	6	0	60	66
4000 COLORADO	214	72	0	0	286
4201 IDAHO	3	38	0	0	41
4202 IDAHO	79	0	0	0	79
4300 UTAH	28	148	0	0	176
7401 COLUMBIA RIVER	883	132	0	0	1015
7402 PUGET SOUND	11	0	0	0	11
7403 CALIFORNIA	380	0	0	0	380
TOTAL VOLUME	1639	423	0	60	2122

TABLE 198. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7101, DULUTH-SUPERIOR

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2100 WISCONSIN	0	56	0	0	56
2700 MINNESOTA	16211	16376	0	0	32587
2705 MINNESOTA	169	0	0	0	169
3201 NORTH DAKOTA	41696	7389	0	0	49085
3202 NORTH DAKOTA	36534	15787	0	0	52321
3203 NORTH DAKOTA	6601	1507	0	0	8108
3301 SOUTH DAKOTA	3621	3996	0	0	7617
3802 MONTANA	0	6	0	0	6
3803 MONTANA	799	770	0	0	1569
3804 MONTANA	0	124	0	0	124
3805 MONTANA	127	257	0	0	384
7101 DULUTH-SUPERIOR	12	0	0	0	12
TOTAL VOLUME	105770	46268	0	0	152038

TABLE 199. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7101, DULUTH-SUPERIOR

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	10555	0	43002	0	53557
903 PENNSYLVANIA	1008	0	0	0	1008
1650 OHIO	0	0	2637	0	2637
2400 TENNESSEE	630	0	0	0	630
2705 MINNESOTA	0	7	0	0	7
3504 KANSAS	492	0	0	0	492
3745 TEXAS	99	0	0	0	99
3789 TEXAS	96	0	0	0	96
7101 DULUTH-SUPERIOR	12	0	0	0	12
7102 CHICAGO AREA	101	0	0	0	101
7202 SOUTH ATLANTIC	601	0	0	0	601
7301 EAST GULF	322	0	0	0	322
7302 LOUISIANA GULF	3750	0	0	0	3750
9000 EXPORT	0	0	88831	0	88831
TOTAL VOLUME	17666	7	134470	0	152143

TABLE 200. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7102, CHICAGO AREA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1825 OHIO	2444	0	0	0	2444
1901 INDIANA	1646	5161	0	0	6807
1902 INDIANA	0	3816	0	0	3816
2000 MICHIGAN	0	313	0	0	313
2100 WISCONSIN	1462	973	0	241	2676
2256 ILLINOIS	0	600	923	0	1523
2257 ILLINOIS	252	103	0	0	355
2258 ILLINOIS	28	0	0	0	28
2260 ILLINOIS	0	0	291	0	291
2705 MINNESOTA	1153	0	0	0	1153
3301 SOUTH DAKOTA	0	4	0	0	4
3401 NEBRASKA	0	2403	0	0	2403
3404 NEBRASKA	0	329	0	0	329
3405 NEBRASKA	0	269	0	0	269
7101 DULUTH-SUPERIOR	101	0	0	0	101
7102 CHICAGO AREA	219	68	291	0	578
TOTAL VOLUME	7305	14039	1505	241	23090

TABLE 201. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7102, CHICAGO AREA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
2258 ILLINOIS	1000	0	0	0	1000
2261 ILLINOIS	0	0	91	0	91
7102 CHICAGO AREA	219	68	291	0	578
7302 LOUISIANA GULF	0	0	2437	0	2437
9000 EXPORT	0	0	2798	0	2798
TOTAL VOLUME	1219	68	5617	0	6904

TABLE 202. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7103, TOLEDO AREA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1825 OHIO	1065	0	0	0	1065
1850 OHIO	0	10300	0	768	11068
1901 INDIANA	1056	0	0	181	1237
1902 INDIANA	0	675	0	0	675
2000 MICHIGAN	350	5029	0	1096	6477
TOTAL VOLUME	2471	16004	0	2047	20522

TABLE 203. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7103, TOLEDO AREA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1850 OHIO	0	908	0	0	908
7202 SOUTH ATLANTIC	3967	0	0	0	3967
9000 EXPORT	0	0	14888	0	14888
TOTAL VOLUME	3967	908	14888	0	19763

TABLE 204. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7104, SAGINAW AREA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2000 MICHIGAN	0	2412	0	0	2412
TOTAL VOLUME	0	2412	0	0	2412

TABLE 205. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7104, SAGINAW AREA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	0	0	2412	0	2412
TOTAL VOLUME	0	0	2412	0	2412

TABLE 206. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7201, NORTH ATLANTIC

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
701 NEW YORK	50	0	0	0	50
1825 OHIO	5567	0	0	0	5567
1901 INDIANA	654	0	0	0	654
1902 INDIANA	5856	0	0	0	5856
2000 MICHIGAN	1150	0	0	0	1150
2257 ILLINOIS	330	0	0	0	330
TOTAL VOLUME	13607	0	0	0	13607

TABLE 207. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7201, NORTH ATLANTIC

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	0	0	11387	0	11387
TOTAL VOLUME	0	0	11387	0	11387

TABLE 208. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7202, SOUTH ATLANTIC

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1000 DELAWARE	0	16	120	0	136
1100 MARYLAND	0	60	0	21	81
1200 VIRGINIA	0	944	428	0	1372
1400 NORTH CAROLINA	94	771	0	0	865
1500 SOUTH CAROLINA	37	68	0	18	123
1825 OHIO	3892	0	0	0	3892
1901 INDIANA	3460	0	0	0	3460
1902 INDIANA	7915	0	0	0	7915
2000 MICHIGAN	1461	0	0	0	1461
7101 DULUTH-SUPERIOR	601	0	0	0	601
7103 TOLEDO AREA	3967	0	0	0	3967
TOTAL VOLUME	21427	1859	548	39	23873

TABLE 209. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7202, SOUTH ATLANTIC

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1200 VIRGINIA	3	815	0	0	818
9000 EXPORT	0	0	20646	0	20646
TOTAL VOLUME	3	815	20646	0	21464

TABLE 210. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7301, EAST GULF

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
1700 FLORIDA	141	27	91	0	259
1903 INDIANA	36	0	255	0	291
2259 ILLINOIS	3241	0	0	0	3241
2260 ILLINOIS	0	0	835	0	835
2262 ILLINOIS	230	0	0	0	230
2500 MISSISSIPPI	125	165	0	0	290
2600 ALABAMA	122	344	1045	0	1511
2900 MISSOURI	450	0	2380	0	2830
3000 ARKANSAS	595	0	1122	0	1717
3405 NEBRASKA	0	0	244	0	244
3504 KANSAS	273	0	0	0	273
3602 OKLAHOMA	275	0	0	0	275
3604 OKLAHOMA	0	0	355	0	355
7101 DULUTH-SUPERIOR	322	0	0	0	322
TOTAL VOLUME	5810	536	6327	0	12673

TABLE 211. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7301, EAST GULF

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION				TOTAL
	RAIL	TRUCK	BARGE	FARM TRUCK	
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	0	0	12554	0	12554
TOTAL VOLUME	0	0	12554	0	12554

TABLE 212. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7302, LOUISIANA GULF

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1825 OHIO	0	0	3170	0	3170
1903 INDIANA	0	0	7118	0	7118
2256 ILLINOIS	0	0	1481	0	1481
2258 ILLINOIS	2009	0	0	0	2009
2259 ILLINOIS	0	0	1605	0	1605
2260 ILLINOIS	0	0	5869	0	5869
2261 ILLINOIS	0	0	8116	0	8116
2262 ILLINOIS	0	0	17426	0	17426
2318 KENTUCKY	39	0	3694	0	3733
2400 TENNESSEE	162	0	6659	0	6821
2500 MISSISSIPPI	166	76	2686	0	2928
2705 MINNESOTA	3048	0	46727	0	49775
2801 IOWA	0	0	540	0	540
2803 IOWA	0	0	420	0	420
2900 MISSOURI	680	0	25213	0	25893
3000 ARKANSAS	60	0	11422	0	11482
3100 LOUISIANA	0	0	1263	0	1263
3202 NORTH DAKOTA	248	13	0	0	261
3203 NORTH DAKOTA	139	0	0	0	139
3301 SOUTH DAKOTA	67	55	0	0	122
3302 SOUTH DAKOTA	194	35	0	0	229
3405 NEBRASKA	0	0	2140	0	2140
3502 KANSAS	734	0	0	0	734
3503 KANSAS	0	207	4204	0	4411
3504 KANSAS	2802	0	0	0	2802
3505 KANSAS	353	0	0	0	353
3602 OKLAHOMA	1721	0	0	0	1721
3604 OKLAHOMA	0	0	5543	0	5543
7101 DULUTH-SUPERIOR	3750	0	0	0	3750
7102 CHICAGO AREA	0	0	2437	0	2437
TOTAL VOLUME	16172	386	157733	0	174291

TABLE 213. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7302, LOUISIANA GULF

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
1700 FLORIDA	0	0	3500	0	3500
8000 EXPORT	0	0	162246	0	162246
TOTAL VOLUME	0	0	165746	0	165746

TABLE 214. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7303, NO. TEXAS GULF

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2705 MINNESOTA	19	0	0	0	19
2801 IOWA	100	0	493	0	593
2900 MISSOURI	12542	8	934	0	13484
3000 ARKANSAS	67	0	0	0	67
3401 NEBRASKA	1287	0	0	0	1287
3404 NEBRASKA	1346	0	0	0	1346
3405 NEBRASKA	12433	865	40	0	13338
3501 KANSAS	25896	899	0	0	26795
3502 KANSAS	22021	336	0	0	22357
3503 KANSAS	16936	0	0	0	16936
3504 KANSAS	31719	1723	0	0	33442
3505 KANSAS	6305	842	0	0	7147
3601 OKLAHOMA	2289	121	0	0	2410
3602 OKLAHOMA	78454	10480	0	0	88934
3603 OKLAHOMA	1045	422	0	0	1467
3711 TEXAS	8103	554	0	0	8657
3712 TEXAS	2467	249	0	0	2716
3723 TEXAS	6779	725	0	0	7504
3745 TEXAS	31504	3592	0	0	35096
3789 TEXAS	0	197	0	0	197
4000 COLORADO	679	72	0	0	751
TOTAL VOLUME	261991	21085	1467	0	284543

TABLE 215. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7303, NO. TEXAS GULF

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	0	0	271810	0	271810
TOTAL VOLUME	0	0	271810	0	271810

TABLE 216. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7304, SO. TEXAS GULF

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
2900 MISSOURI	443	0	0	0	443
3405 NEBRASKA	884	4	0	0	888
3502 KANSAS	1284	0	0	0	1284
3503 KANSAS	2210	0	0	0	2210
3504 KANSAS	3990	3	0	0	3993
3505 KANSAS	1673	0	0	0	1673
3601 OKLAHOMA	0	21	0	0	21
3602 OKLAHOMA	1415	0	0	0	1415
3603 OKLAHOMA	280	0	0	0	280
3711 TEXAS	4966	75	0	0	5041
3712 TEXAS	1797	5	0	0	1802
3723 TEXAS	2762	192	0	0	2954
3745 TEXAS	9362	208	0	0	9570
3767 TEXAS	0	48	0	0	48
3789 TEXAS	0	321	0	0	321
4000 COLORADO	0	135	0	0	135
4100 NEW MEXICO	311	0	0	0	311
TOTAL VOLUME	31377	1012	0	0	32389

TABLE 217. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7304, SO. TEXAS GULF

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	0	0	30490	0	30490
TOTAL VOLUME	0	0	30490	0	30490

TABLE 218. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7401, COLUMBIA RIVER

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	6584	854	0	0	7438
3202 NORTH DAKOTA	7385	1297	0	0	8682
3203 NORTH DAKOTA	3487	2607	0	0	6094
3301 SOUTH DAKOTA	2001	365	0	0	2366
3302 SOUTH DAKOTA	0	20	0	0	20
3401 NEBRASKA	1224	0	0	0	1224
3501 KANSAS	590	0	0	0	590
3801 MONTANA	416	1190	0	0	1606
3802 MONTANA	8036	943	0	0	8979
3803 MONTANA	1960	0	0	0	1960
3804 MONTANA	2073	0	0	0	2073
3805 MONTANA	151	0	0	0	151
3900 WYOMING	883	132	0	0	1015
4000 COLORADO	2853	132	0	0	2985
4201 IDAHO	1383	144	19685	0	21212
4202 IDAHO	6598	8506	0	0	15104
4300 UTAH	256	0	0	0	256
4501 WASHINGTON	3308	2953	7729	0	13990
4502 WASHINGTON	7604	3094	0	0	10698
4503 WASHINGTON	15944	1507	23528	0	40979
4504 WASHINGTON	7304	137	61882	0	69323
4601 OREGON	1340	4931	0	0	6271
4602 OREGON	9449	375	29419	0	39243
4603 OREGON	1042	89	3213	0	4344
4701 CALIFORNIA	53	0	0	0	53
4800 NEVADA	113	0	0	0	113
7402 PUGET SOUND	1082	0	0	0	1082
TOTAL VOLUME	93119	29276	145456	0	267851

TABLE 219. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7401, COLUMBIA RIVER

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
4701 CALIFORNIA	0	16	0	0	16
4703 CALIFORNIA	328	36	0	0	364
4704 CALIFORNIA	7	0	0	0	7
9000 EXPORT	0	0	211917	0	211917
TOTAL VOLUME	335	52	211917	0	212304

TABLE 220. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7402, PUGET SOUND

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3201 NORTH DAKOTA	1510	0	0	0	1510
3202 NORTH DAKOTA	926	0	0	0	926
3203 NORTH DAKOTA	375	0	0	0	375
3301 SOUTH DAKOTA	535	7	0	0	542
3302 SOUTH DAKOTA	17	0	0	0	17
3401 NEBRASKA	182	0	0	0	182
3501 KANSAS	63	0	0	0	63
3502 KANSAS	41	0	0	0	41
3801 MONTANA	871	0	0	0	871
3802 MONTANA	16805	0	0	0	16805
3803 MONTANA	4100	0	0	0	4100
3804 MONTANA	4334	0	0	0	4334
3805 MONTANA	315	0	0	0	315
3900 WYOMING	11	0	0	0	11
4000 COLORADO	1467	0	0	0	1467
4201 IDAHO	601	0	0	0	601
4202 IDAHO	803	121	0	0	924
4300 UTAH	233	0	0	0	233
4502 WASHINGTON	2337	0	0	0	2337
4503 WASHINGTON	13929	639	155	0	14723
4504 WASHINGTON	4445	0	0	0	4445
4602 OREGON	32	0	0	0	32
4603 OREGON	110	0	0	0	110
TOTAL VOLUME	54042	767	155	0	54964

TABLE 221. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7402, PUGET SOUND

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
7401 COLUMBIA RIVER	1082	0	0	0	1082
9000 EXPORT	0	0	47500	0	47500
TOTAL VOLUME	1082	0	47500	0	48582

TABLE 222. 1977 WHEAT RECEIPTS FROM VARIOUS ORIGINS BY FIRMS IN AREA 7403, CALIFORNIA

ORIGINATING STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
3900 WYOMING	380	0	0	0	380
4202 IDAHO	788	99	0	0	887
4400 ARIZONA	1744	0	0	0	1744
4703 CALIFORNIA	0	755	0	9903	10658
4704 CALIFORNIA	116	161	0	1	278
TOTAL VOLUME	3028	1015	0	9904	13947

TABLE 223. 1977 WHEAT SHIPMENTS TO VARIOUS DESTINATIONS BY FIRMS IN AREA 7403, CALIFORNIA

DESTINATION STATE OR PORT AREA	MODE OF TRANSPORTATION: RAIL	TRUCK	BARGE	FARM TRUCK	TOTAL
	(THOUSANDS OF BUSHELS)				
9000 EXPORT	0	0	13135	0	13135
TOTAL VOLUME	0	0	13135	0	13135

Appendix

The tables in this appendix present a breakdown of data on wheat production, milling capacity, and exports by type and class of wheat.

Table A1. 1977 Wheat Production by Type and State

State	Winter wheat	Spring wheat	Durum wheat	All wheat
		thousands of bushels		
Alabama	3,080	0	0	3,080
Arizona	3,960	0	6,120	10,080
Arkansas	25,740	0	0	25,740
California	40,448	0	2,100	42,548
Colorado	56,100	1,274	0	57,374
Delaware	870	0	0	870
Florida	377	0	0	377
Georgia	3,300	0	0	3,300
Idaho	33,930	23,970	0	57,900
Illinois	67,510	0	0	67,510
Indiana	55,800	0	0	55,800
Iowa	4,033	0	0	4,033
Kansas	344,850	0	0	344,850
Kentucky	10,138	0	0	10,138
Louisiana	1,292	0	0	1,292
Maryland	3,564	0	0	3,564
Michigan	33,000	0	0	33,000
Minnesota	3,465	125,600	2,829	131,894
Mississippi	3,570	0	0	3,570
Missouri	72,150	0	0	72,150
Montana	81,200	44,880	4,840	130,920
Nebraska	103,250	0	0	103,250
Nevada	840	600	0	1,440
New Jersey	1,178	0	0	1,178
New Mexico	8,841	0	296	9,137
New York	6,825	0	0	6,825
North Carolina	6,000	0	0	6,000
North Dakota	2,392	167,000	60,515	229,907
Ohio	72,380	0	0	72,380
Oklahoma	175,500	0	0	175,500
Oregon	45,240	2,380	0	47,620
Pennsylvania	8,085	0	0	8,085
South Carolina	2,465	0	0	2,465
South Dakota	17,000	51,700	3,264	71,964
Tennessee	10,080	0	0	10,080
Texas	117,500	0	0	117,500
Utah	4,945	720	0	5,665
Virginia	6,231	0	0	6,231
Washington	95,200	6,105	0	101,305
West Virginia	310	0	0	310
Wisconsin	2,580	495	0	3,075
Wyoming	5,200	420	0	5,620
Total	1,540,419	425,144	79,964	2,045,527

Source: *Field Crops: Estimates by States, 1974–78; Acreage, Yield, Production*, Statistical bulletin no. 646, Crop Reporting Board, Economics and Statistics Service, U.S. Department of Agriculture (December, 1980), pp. 26, 29, 31–32.

Table A2. Wheat Production by Class for the 1976–78 Crop Years

Type and class	1976	1977	1978
		thousands of bushels	
Winter Wheat			
Hard red	977,366	996,432	528,527
Soft red	337,389	349,109	461,529
White	249,363	194,878	232,930
Spring Wheat			
Hard red	411,866	398,983	379,694
Durum	134,914	79,964	133,328
White	37,882	21,161	40,056
Total	2,148,780	2,045,527	1,775,524

Source: *Field Crops: Estimates by States, 1974–78; Acreage, Yield, Production*, Statistical bulletin no. 646, Crop Reporting Board, Economics and Statistics Service, U.S. Department of Agriculture (December, 1980), pp. 33.

Table A3. Number of Operating Mills and Daily Capacity by Type of Wheat, 1978

State	Number of mills	Daily capacity			
		Hard	Soft	Durum	Total
			hundredweights		
Alabama	1	8,800	0	0	8,800
Arizona	1	1,000	0	0	1,000
California	10	39,400	7,375	0	46,775
Colorado	3	12,000	5,000	0	17,000
Delaware	2	472	0	0	472
Florida	2	14,000	0	0	14,000
Georgia	6	900	10,810	0	11,710
Hawaii	1	2,200	0	0	2,200
Illinois	8	26,460	33,100	0	59,560
Indiana	7	9,500	17,840	0	27,340
Iowa	2	11,100	0	0	11,100
Kansas	19	116,290	3,760	0	120,050
Kentucky	8	0	4,135	0	4,135
Louisiana	2	10,000	0	1,000	11,000
Maryland	1	0	2,400	0	2,400
Michigan	9	0	22,250	0	22,250
Minnesota	15	87,840	60	31,100	119,000
Missouri	9	68,448	14,050	0	82,498
Montana	3	13,500	0	0	13,500
Nebraska	6	28,970	0	0	28,970
New Jersey	1	6,200	0	0	6,200
New Mexico	2	650	0	0	650
New York	14	96,200	2,600	14,800	113,600
North Carolina	15	13,196	9,884	0	23,080
North Dakota	1	5,000	0	5,000	10,000
Ohio	13	11,400	58,925	0	70,325
Oklahoma	4	31,000	0	0	31,000
Oregon	3	9,950	0	8,750[a]	18,700
Pennsylvania	34	7,250	27,059	0	34,309
Puerto Rico	2	8,500	0	0	8,500
South Carolina	4	500	2,120	0	2,620
South Dakota	1	3,000	0	0	3,000
Tennessee	17	18,500	20,030	0	38,530

Continued

Table A3 — continued

State	Number of mills	Daily capacity			
		Hard	Soft	Durum	Total
		hundredweights			
Texas	6	29,500	140	0	29,640
Utah	11	16,840	14,230	0	31,070
Virginia	18	12,920	14,066	0	26,986
Washington	4	17,550	10,000	0	27,550
Wisconsin	1	0	0	12,000	12,000
United States	265	739,036	279,834	72,650	1,091,520

Source: "1978 Milling Directory/Buyer's Guide," Milling and Baking News, December, 1978, pp. 27-49, 69.

[a] Includes 5,000 hundredweights of durum capacity that alternates with hard and soft wheat flour.

Table A4. 1977 Inspections of Wheat for Export by Class and Export Region

Export region and port area[a]	Hard red spring	Hard red winter	Soft red winter	White	Durum	Mixed	Total
			thousands of bushels				
Great Lakes Region[b]							
Duluth-Superior	48,405	235	0	0	40,429	0	89,069
Chicago	0	0	1,589	0	0	0	1,589
Toledo	0	0	14,829	1,027	0	0	15,856
Saginaw	0	0	2,134	281	0	0	2,415
Subtotal	48,405	235	18,552	1,308	40,429	0	108,929
Atlantic Region							
North Atlantic	0	0	16,172	0	0	0	16,172
South Atlantic	0	0	19,827	1,374	0	0	21,201
Subtotal	0	0	35,999	1,374	0	0	37,373
Gulf Region							
East Gulf	596	1,157	10,795	0	0	0	12,548
Louisiana Gulf	38,184	25,368	91,130	0	4,588	2,976	162,246
North Texas Gulf	368	267,006	194	0	167	8	267,743
South Texas Gulf	0	30,013	0	0	0	0	30,013
Subtotal	39,148	323,544	102,119	0	4,755	2,984	472,550
Pacific Region							
Columbia River	36,260	36,168	0	137,451	2,038	0	211,917
Puget Sound	18,213	10,116	0	19,148	23	0	47,500
California	0	11,808	0	0	1,327	0	13,135
Subtotal	54,473	58,092	0	156,599	3,388	0	272,552
Total	142,026	381,871	156,670	159,281	48,572	2,984	891,404

Source: Inspections for export conducted under the U.S. Grain Standards Act and reported in *Grain Market News*, Agricultural Marketing Service, U.S. Department of Agriculture (various issues).

[a] See Table 3 for a list of ports.

[b] Includes waterway shipments to Canadian ports for reshipment to foreign destinations.

UNIVERSITY OF ILLINOIS-URBANA
3 0112 027512562
Gaylord